Marcellus Operations Tactical Response Team Emergency Response Plan

Health, safety and environment (HSE)
Work process requirements, WR1360, Final Ver. 2, valid from 2014-02-24

Owner: SSU UON Manager

Validity area: Marcellus

1 Introduction

This Emergency Response Plan (ERP) provides instruction and guidance to assist in establishing an efficient intervention response for field developments. It is intended to provide the starting point to guide, stimulate and complement the management of an emergency planning process.

In general, an emergency is defined as any unexpected occurrence either resulting in, or having the likely potential to result in, death, serious injury (or illness) requiring hospitalization and/or an environmental impact posing a serious threat to on-scene personnel, wildlife, or major and significant damage to Operator or Contractor property. The response to such incidents requires immediate notification and action.

Examples of an Emergency situation are found in DPNA US WR1405 and include, but are not limited to:

- An accident which results in, or could result in, loss of life or a serious injury
- Explosions or major fire
- Loss of well control
- Hydrocarbon spills
- Loss or disablement of the asset

This document does not intend to develop detailed procedures, but to assist in developing the organization and give references which in hand will give guidance in handling the process.

The primary focus of this plan is to:

- Prevent further damage or injury while adequate equipment and personnel are mobilized
- Reduce response time by pre-selecting the equipment needed for a major well control intervention project
- Reduce overall event time by determining critical items in advance
- Determine and locate sources for specialized equipment and services
- Define typical operating procedures for given circumstances and settings
- Allow the operator to identify operational weaknesses in support strategies

An important consideration in the early stages of an emergency is damage control and prevention of an escalating situation. Personnel safety must remain the paramount consideration and no operation should be undertaken if it involves risk to personnel.

1.1 Objective, Target Group and Provision

The objective of this ERP is to outline the work process for managing an emergency incident arising in connection with Statoil activities onshore in the United States and compliments existing Emergency Response Plans (DPNA UON). In general, it covers operational, tactical and organizational measures which prevent a hazard from escalating into an accident or threat, or which prevent or reduce the damaging effects of an accident or threat.

This plan is applicable to:

- Operations in the US (Specifically US Onshore – Marcellus Operations)
- It assumes that adequate oil spill contingency plans are in-place
- This plan is to refer to DPNA US WR1405

In most situations, operational, technical, and logistical support will be managed by the local emergency response team given their familiarity with the daily operations and specific support services.

Statoil DPNA UON has the overall responsibility for all Statoil employees working onshore in the US, including employees seconded to other companies. Statoil personnel seconded to other companies, where the other company has a responsibility as operator, shall be covered by that company's Emergency Response Plan.

This document is provisioned in HSE700 "Emergency preparedness and response".

1.2 Other Applicable Plans

This ERP addresses the response activities of the Line 1 Tactical Response Team (TRT) On-Scene Commander and is not intended to replace Federal, State, or Local Government or municipal contingency plans or the on-scene operational response guidance of local authorities.

Other relevant response and contingency plans in place for Statoil DPNA UON include:

Type Of Event	Related Plan
US Onshore Emergency Response Plan	DPNA US WR1405
US Onshore Spill	Spill Prevention, Control, and Countermeasure (SPCC) where applicable

1.3 Plan Review, Update, and Distribution

The DPNA US Emergency Response Advisor is responsible for preparing and updating this ERP. The plan will be reviewed and updated (where applicable) annually, or whenever necessary to reflect changes in organization, operations, procedures, or contact information.

This ERP will be communicated and available to those personnel that may be called upon to provide assistance during a response.

1.4 Other Applicable Documents

TR3506	Well Incident and Blowout Preparedness
GL3507	Well Control Manual
WR1405	Emergency Response Plan – DPNA US
GL0455	Classification of Incidents
GL3517	Blowout Response Support Documentation
WR3524	Well Control

2 Emergency Response Framework

2.1 Statoil Emergency Response Framework

As per the Statoil Emergency Response Framework, response teams are divided into the following 3 lines of responsibility.

Line 1 Tactical Response Team (TRT)

The Line 1 TRT is responsible for the operational management of any incident in the local or affected area during all phases of the emergency response (i.e., alerting, combating, search and rescue, and normalization phases). The Line 1 TRT is led by the On-Scene Commander. The On-Scene Commander has responsibility to:

- Declares an initial Emergency Level
- Advise the Statoil Qualified Individual (QI) of the emergency
- Mobilize the appropriate staff to respond, based on the severity of the incident
- Ensure the health and safety of personnel and the public
- Minimize impacts to the environment
- Operate the Incident Command Post (ICP)
- Ensure efficient and coordinated communications exist
- Execute basic communications with the media and local stakeholders as directed by the Line 2 Incident Commander or QI

For further detailed responsibilities, refer to DPNA US WR1405.

Line 2 Incident Management Team (IMT)

The Line 2 IMT is responsible for managing incidents affecting the Houston office and supporting the response efforts of the Line 1 TRT. The IMT is led by the Incident Commander. At a high level, the Incident Commander has responsibility to:

- Provide overall management of the incident
- Provide tactical and logistical support to the Line 1 TRT
- Ensure media, government and stakeholder relationships are managed
- Provide Next-of-Kin care support
- Provide legal resources to response teams
- Provide notification and periodic updates to the Line 3 Business Support Team

For further detailed responsibilities, refer to DPNA US WR1405.

Line 3 Business Support Team (BST)

The Line 3 BST (located in Houston/Norway) is responsible for strategic support to the Line 2 IMT and affected Business Areas. The BST is led by the Emergency Response Manager whose responsibilities include:

- Group Crisis Management
- Resources allocation between business areas
- Communication with the CEO
- Company reputation protection
- Media / political authority relations

For further detailed responsibilities, refer to DPNA US WR1405.

2.2 Statoil DPNA UON Operations Framework

This ERP has been written to govern Statoil DPNA UON operations and is defined as an Emergency Response Plan. The local response team will declare the initial emergency and activate the Line 1 Tactical Response Team ERP.

2.3 Incident Command System (ICS)

This ERP has been developed in alignment with the Incident Command System structure. ICS is a standardized, on-scene, all-hazards incident management approach that:

- Allows for the integration of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure, with responsibility for the management of resources assigned to response operations.
- Is flexible and can be used for incidents of any type, scope, and complexity.
- Is used by all levels of the US Government (Federal, State, and Local) as well as by many non-governmental organizations and the private sector.
- Enables a coordinated response among various jurisdictions and functional agencies, both public and private.
- Establishes common processes for planning and managing resources.
- Is typically structured to facilitate activities in five major functional areas of Command, Operations, Planning, Logistics, and Finance/Administration.

2.4 Response Management Priorities and Planning

All emergency response efforts will be managed to ensure that strategic objectives are accomplished with priority given to the protection of:

People	- caring for the injured / ill and minimizing on-going exposure risks
Environment	- recovering pollutants and minimizing further discharges
Assets	- protection of equipment, facilities or product
Reputation	- employee, government, media and shareholder communication; business continuity

It is critical that all members at all levels of the response team give these priorities upmost attention.

Statoil will proactively respond to emergency incidents by allocating resources and mobilizing responders during the early stages of an incident such that capability exists to manage an escalating event. Do not wait until the situation escalates to order resources.

3 Emergency Response Team Structure

3.1 Line 1 Tactical Response Team (TRT)

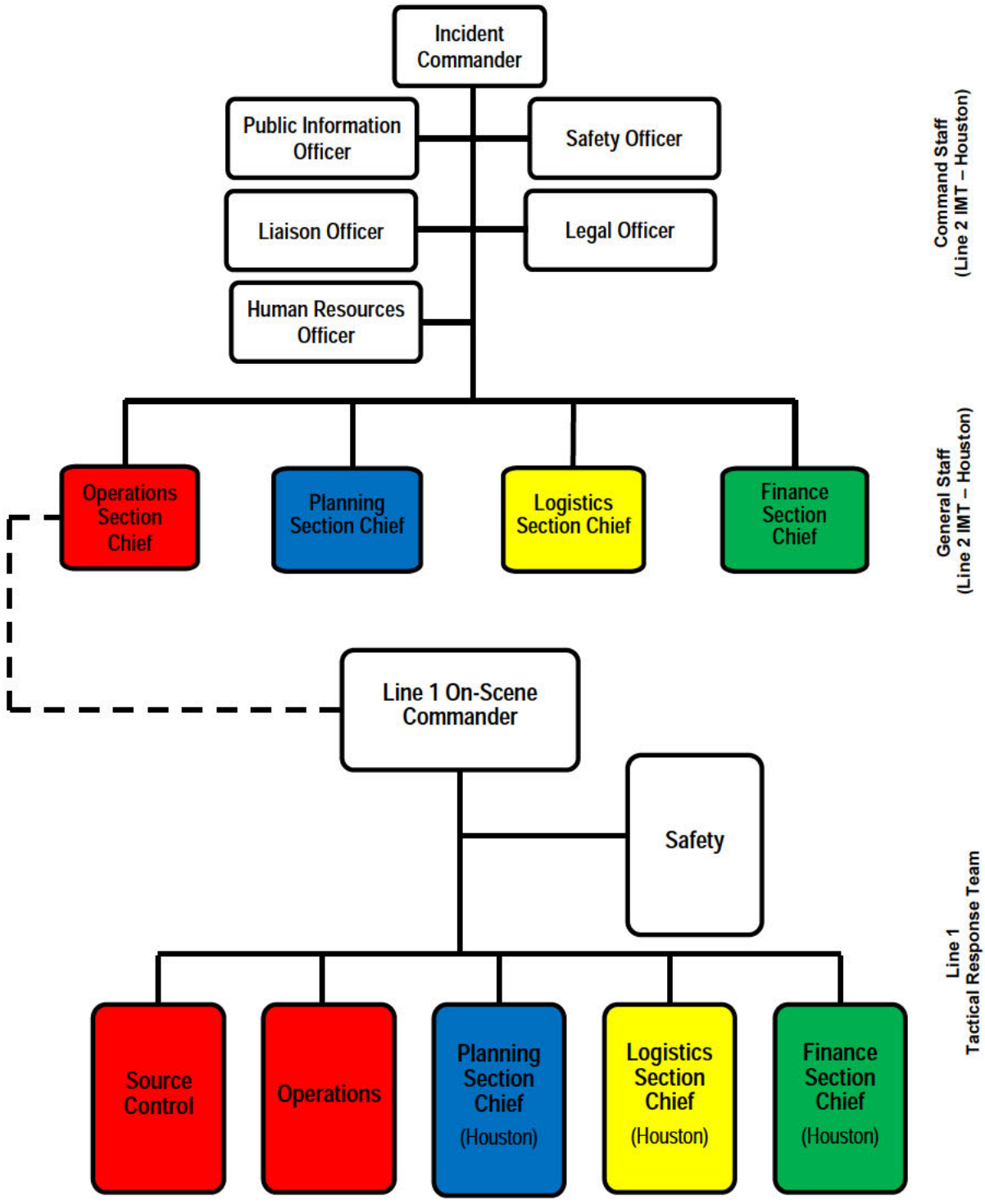
The Line 1 TRT will be organized using an ICS-based structure for all response activities. As seen in Figure 3-1, members of the Line 1 TRT consist of an On-Scene Commander and applicable support organization.

3.2 Line 2 Incident Management Team (IMT)

In the event of an emergency situation the Duty Manager (a Qualified Individual, QI) is notified and will have the overall responsibility for managing the response and is delegated the authority and the mandate necessary to activate the Line 2 IMT.

If the Line 2 IMT is activated, the IC leads the command and establishes general staff positions on the IMT as needed. The number of positions mobilized will be based on the complexity and size of the emergency event. Less complex incidents may only require a few active team members. The Incident Commander will decide on what positions to mobilize.

The Line 2 IMT provides tactical support to the Line 1 TRT through direct communication between the Operations Section Chief and the On-Scene Commander.



**In some incidents and / or areas

- Source Control may become its own Section having a Section Chief reporting to the IC.
- TRT Organization and positions activated depend on the extent of the required response.

Figure 3-1: Incident Management Team (US Operations)

3.3 Line 1 TRT Members

Members of the Line 1 TRT consist of Statoil employees who are nominated by management to serve in a position in alignment with their skills and abilities; as well as consultants who have been trained respond to emergency incidents.

The Line 1 TRT will comprise of the On-Scene Commander, and other contract personnel including consultants, who specialize in emergency response management, supplement the team membership. The team members will be responsible for field data gathering, implementation of intervention measures, coordination of safety and support of the field operations.

A trained Statoil Representative will assume the position of the Line 1 On-Scene Commander. The On-Scene Commander is responsible for the overall management of the incident until he or she is relieved by a more qualified individual.

3.4 Line 1 TRT Training

Members of the Line 1 TRT are required to participate in various training courses to develop knowledge and skills required of a responder. The type, duration, and frequency of training are governed by US regulatory authorities, industry standards, and Statoil internal policy.

3.5 Line 1 TRT Drills / Exercise

Drill / Exercise simulations prepare responders to function in defined roles within the Emergency Response Team. The Line 1 TRT is committed to performing drills and exercises to validate and improve emergency response plans, to strengthen the knowledge and skills of ER team members, to test ER systems, and to satisfy regulatory and Statoil requirements.

Drills / Exercises may include: preparatory measures, team readiness, multiple operational periods with transfer of command, security, tests of emergency systems, and more. Drills / Exercises may be unannounced with minimal staff notification and preparations.

Following a drill or exercise, a summary report is compiled containing the exercise description/scenario, agenda, objectives, rules of play, and lessons learned.

Team members are required to support and participate in real incidents and drills / exercises when and where appropriate.

4 Emergency Response Team Facilities

Response locations will vary according to incident type, location and severity. Some or all of the following locations will be established according to incident response needs. Responsibility for establishing these facilities varies and is outlined below.

4.1 Line 1 Incident Command Post (ICP)

The Line 1 ICP is where the Line 1 On-Scene Commander and support staff will be located. There is only one Line 1 ICP for an incident. The On-Scene Commander is responsible for establishing this facility.

This ICP may be on the same premises where the emergency event is taking place or strategically located nearby depending on factors such as geographical remoteness or hazards associated with the site.

The location will be chosen to ensure safety, good access to communications and computer equipment and availability of support staff.

42722 State Route 7, Hannibal, Ohio 43931

Telephone #1 (Polycom): TBD	**Fax:** TBD
Telephone #2:	**Video Conference IP Number:**
Telephone #3:	

4.2 Line 2 Emergency Operations Center (EOC)

The Line 2 EOC is where the Line 2 IMT (i.e., Incident Commander, Command and General Staff, and Unified Command) will be located. The Duty Manager (a Qualified Individual, QI) is delegated the authority and the mandate necessary to activate the Line 2 IMT.

The EOC for Statoil US Operations will always be initially located in the Statoil Houston office. However, the EOC may be relocated closer to the geographical location of the emergency event to better support response efforts.

2103 CityWest Boulevard, Building 4, Room 4.853 Houston, TX 77042
Statoil Reception Desk: 713-918-8200

Telephone #1 (Polycom): 713-918-8275	**Fax:** 713-918-8295
Telephone #2: 713-579-9985	**Video Conference IP Number:** 713-808-6127
Telephone #3: 713-579-9986	

This EOC will be partially or fully staffed, depending of the size and complexity of the incident.

4.3 Line 3 Business Support Team (BST)

The Main Alarm & Notification Centre (Vaktsentralen) is located in Stavanger, Norway. If the Line 3 SVP/Emergency Response Manager elects to lead the Line 3 BST from the Statoil Houston Office, Room 4.809 (Hands-On) will be utilized.

Telephone #1 (Polycom): 713-918-8286	**Video Conference IP Number:** 713-808-6116

For further detailed position responsibilities of the Line 2 IMT and activation of the Line 3 Business Support Team (BST), refer to DPNA US WR1405.

5 Incident Classification Matrix

Incidents are classified into severity levels based upon the nature of the incident and basic criteria, including; threat to life, property, or the environment, degree of containment and isolation, and level of response necessary for effective control.

Incidents can typically be handled on-site through normal operating procedures and are very low risk. Emergencies can range from low to high risk and require a more difficult or complex resolution.

This classification process:

- Allows for the rapid initial assessment of an incident to quickly identify and implement dispatch the appropriate level of response resources.
- Provides a method for non-emergency personnel to quickly understand the scope of the emergency based on its announced location and classification level.

The greater the severity or potential impact of the incident, the greater the response and commitment of resources.

Upon notification of an emergency, the On-Site Supervisor will determine the Incident Classification Level for the initial response. If in doubt, the next higher classification level should be declared to ensure adequate notification and dispatch of initial resources is adequate for the situation and facts as they exist at that time.

The On-Site Supervisor is always encouraged to notify the Superintendent, as a precautionary measure and when circumstances dictate the possible need of Line 2 support. Throughout the response, the on-scene situation, tactics, and resources will be assessed continuously and the classification of the incident may be upgraded or downgraded as necessary.

Although the Incident Classification Matrix provides a comprehensive list of incident descriptions, not all incidents may be represented. The “levels” are intended for use solely as guidelines. It is highly probable that situations could develop that defies definition via one of the response levels.

Table 5-1 identifies several undesirable outcomes of incidents and classifies the outcomes by Severity Levels 1-5. Incidents classified as a Severity Level 1 or 2 are defined as emergency incidents requiring notification to the Line 2 Incident Commander.

Severity Level	Personal injury		Work related illness (WRI)		Oil Spills				Chemical Spills				Gas leak		Fire/explosion		Impairment/failure of safety functions and barriers		Reputation		Loss of production		Property/Equipment Damage		Environmental other. Pad slippages and erosions resulting in Agency citations and actions	
					Onshore		Offshore		Onshore		Offshore															
	Actual	Potent.	Actual	Potent.	Inside Containment	Outside Containment[1]	Inside Containment	Outside Containment	Actual	Potential	Actual	Potential	Actual	Potent.	Actual	Potent.	Actual	Potent.	Actual	Potent.	Actual	Potent.	Actual	Potent.	Actual	Potent.
1	Fatality		Work related illness that result in death		> 500 bbls (80 m3)	> 250 bbls (40 m3)	N/A - Spill size category exceeds containment capacity	> 5000 bbls (800 m3)	Black > 60 bbls (10m3) Red > 2500 bbls (400m3) Yellow > 5000 bbls (800m3)		Black > 250 bbls (40m3) Red > 5000 bbls (800m3) Yellow > 10000 bbls (1600m3)		> 40 mcf/day or brief leakages > 40 mcf >10 kg/sec.or brief leakages >100 kg		Large part of facility/plant exposed		Threaten whole facility/plant		Great international negative exposure in mass media and among organisations		Downtime > 10 days		> 25,000,000 NOK > 4,500,000 CAD > 4,500,000 USD		> 25,000,000 NOK > 4,500,000 CAD > 4,500,000 USD	
2	Serious lost time/personal injury		Serious work related illness		> 125 bbls (20 m3)	> 100 bbls (15 m3)	N/A - Spill size category exceeds containment capacity	> 500 bbls (80 m3)	Black > 30 bbls (5m3) Red > 1250 bbls (200m3) Yellow > 2500 bbls (400m3)		Black > 125 bbls (20m3) Red > 2500 bbls (400m3) Yellow > 5000 bbls (800m3)		4.0 – 40.0 mcf/day or brief leakages > 40 mcf 1-10 kg/sec.or brief leakages >10 kg		Parts of facility/plant exposed (i.e. a module)		Threaten large part of facility/plant (i.e several modules)		Medium international negative exposure in mass media and among organisations		Downtime > 5 days		> 15,000,000 NOK > 2,750,000 CAD > 2,750,000 USD		> 15,000,000 NOK > 2,750,000 CAD > 2,750,000 USD	
3	Other lost time injury or Injury involving substitute work		Work related illness that results in short-term absence or restricted/alternative work		> 60 bbls (10 m3)	> 30 bbls (5 m3)	N/A - Spill size category exceeds containment capacity	> 100 bbls (16 m3)	Black > 6 bbls (1m3) Red > 125 bbls (20m3) Yellow > 250 bbls (40m3)		Black > 60 bbls (10m3) Red > 1250 bbls (200m3) Yellow > 2500 bbls (400m3)		0.4 – 4.0 mcf/day or brief leakages > 4 mcf 0.1-1 kg/sec.or bnef leakages >1 kg		Local area exposed (i.e part of a module)		Threaten parts of facility/plant (i.e a module)		National negative exposure in mass media, from authorities on national level		Downtime > 3 days		> 10,000,000 NOK > 1,750,000 CAD > 1,750,000 USD		> 10,000,000 NOK > 1,750,000 CAD > 1,750,000 USD	
4	Medical treatment injury		Work related illness that results in treatment from qualified medical professional		> 1bbl (0.16 m3 or 160 L)	> 1bbl (0.16 m3 or 160 L)	> 1bbl (0.16 m3 or 160 L)	> 1bbl (0.16 m3 or 160 L)	Black > 0.5 bbl (0.08m3 or 80 L) Red > 1 bbls (0.16m3 or 160 L) Yellow > 10 bbls (1.6m3)		Black > 1 bbls (0.16m3 or 160 L) Red > 30 bbls (5m3) Yellow > 50 bbls (8m3)		< 0.4 mcf/day < 0.1 kg/s		Low risk for facility/plant		Threaten local area (i.e part of a module)		Local/regional negative exposure in mass media, from authorities and customers		Downtime > 1 days		> 500,000 NOK > 90,000 CAD > 90,000 USD		> 500,000 NOK > 90,000 CAD > 90,000 USD	
5	First aid injury		Other work related illnesses		< 1bbl (0.16 m3 or 160 L)	< 1bbl (0.16 m3 or 160 L)	< 1bbl (0.16 m3 or 160 L)	< 1bbl (0.16 m3 or 160 L)	Red < 1 bbls (0.16m3 or 160 L) Yellow < 10 bbls (1.6m3) Green > 5 bbls (0.8m3 or 800L)		Red < 30 bbls (5m3) Yellow < 50 bbls (8m3) Green > 50 bbls (8m3)		<<0.4 mcf/day (significantly less than 0.4 mcf/day.) <<0.1 kg/sec.(significantly less than 0.1		Negligible risk for facility/plant		Negligible risk for facility/plant		Limited to a few persons or a single customer		Downtime < 1day		< 500,000 NOK < 90,000 CAD < 90,000 USD		< 500,000 NOK < 90,000 CAD < 90,000 USD	

1. If volume spilled threatens to flow off lease or contaminate a waterbody, then incident will be ranked as level 1

Table 5-1: Incident Classification Matrix

6 Defined Situations of Hazards and Accidents (DSHAs) Action Plans

The below action plans are written to provide guidelines to broadly cover the most important components in confronting a given incident. Action plans have been written to cover all Defined Situations of Hazards and Accidents (DSHAs) listed.

6.1 General (SUS-01 MOPS)

DSHA Description	Scenarios
General elements included in many emergency response situations	• This DSHA covers elements which may be valid for multiple emergency situations (initial actions, hot zone, internal and external notifications, evacuations, etc.)

Initial On-Site Actions (7 Steps) - Use this action plan as a general reference to protect yourself and others from further harm in any emergency. Apply any principles that are relevant to the unique emergency situation.

1. **Protect Yourself**
   - ☐ Think before acting, then act quickly
   - ☐ Get away from the hazard to safe area
2. **Sound Alarm**
   - ☐ Alert other personnel and direct them to safe area
3. **Assess Immediate Hazards**
   - ☐ Ensure your muster point is safe
   - ☐ Quickly assess what happened
   - ☐ Account for personnel in the area
   - ☐ Do not rush in
4. **Call for Help**
   - ☐ If an emergency, immediately contact 911
   - ☐ Notify emergency response team authorities (e.g., shift supervisor, On-Scene Commander, Incident Commander) per the **Incident Notification Flowchart** and **Incident Classification Matrix** (Figure 7-1 & Table 5-1) found in Section 5 and Section 7 of this ERP.
   - ☐ Notify governmental agencies and third party organization per the **External Notification Matrix** (Table 7.1) found in Section 7 of this ERP.
5. **Secure the area**
   - ☐ Know the hazards (consult MSDS, if necessary)
   - ☐ Restrict access (only critical response personnel with proper PPE allowed in hazardous areas)
6. **Initiate Control & Rescue Operations (if safe to do so)**
   - ☐ Use PPE or safety equipment (SCBA, reflective vests, triangles, barriers, etc.), as necessary
   - ☐ Rescue Injured (top priority)
   - ☐ Isolate, shutdown, control and contain process hazards
7. **Continue Response**
   - ☐ Consult specific checklists and duties in Emergency Response Plan

6.2 Medical Emergency / Fatality (SUS-02 MOPS)

DSHA Description	Scenarios
• An accident occurs during a work operation. One to three persons are seriously injured and need medical treatment. • An accident occurs where more than three persons are seriously injured and require medical treatment. • Acute illness: an employee needs assistance and first aid. • Illness outbreak: large numbers of employees are ill.	• Occupational accidents (caused by dropped object, burns, electrical impact, explosions, crane operations, etc.) • Acute disease (cardiac issue, stroke etc.) • Large scale illness affecting many employees (H1N1, etc.) • Helicopter accident involving up to 21 persons • Exposure to radioactive material • Fatality • Car accident

- ☐ Follow the 7 Steps for Initial On-Site Emergency Response (Section 6.1)
- ☐ Notify emergency response team authorities (e.g., shift supervisor, On-Scene Commander, Incident Commander) per the **Incident Notification Flowchart** and **Incident Classification Matrix** (Figure 7-1 & Table 5-1) found in Section 5 and Section 7 of this ERP.
- ☐ Notify governmental agencies and third party organization per the **External Notification Matrix** (Table 7.1) found in Section 7 of this ERP.

Control Actions

- ☐ Call 911 or local emergency services
- ☐ Initiate rescue operations (only when safe to do so)
- ☐ Don personal protective equipment
- ☐ Remove injured person(s) from hazardous area
- ☐ Administer first aid, maintain ongoing care
- ☐ Confirm emergency services have been dispatched
- ☐ Determine identity of injured/casualties for Next-of-Kin notification and keep track of their location
- ☐ Notify local authorities/police in the event of a fatality
- ☐ Remember that only the medical examiner can officially pronounce someone to be deceased
- ☐ Try to keep the accident site as undisturbed as possible

Post Incident

- ☐ Debrief personnel (consider Critical Incident Stress Debriefing)
- ☐ Collect all incident documentation
- ☐ Ensure all equipment used in response is replenished or replaced as necessary
- ☐ Ensure that the scene is fully secured for investigation as required by company policy and/or local authorities

6.3 Spill (SUS-03 MOPS)

DSHA Description	Scenarios
• Spills of liquids, including chemicals, oil, etc. (impact on site & off site)	• Synthetic based mud • Crude oil • Diesel fuel • Chemicals • Hydraulic fluid • Oil base mud • Methanol • Radioactive material

- ☐ Follow the 7 Steps for Initial On-Site Emergency Response (Section 6.1)

- ☐ Notify emergency response team authorities (e.g., shift supervisor, On-Scene Commander, Incident Commander) per the **Incident Notification Flowchart** and **Incident Classification Matrix** (Figure 7-1 & Table 5-1) found in Section 5 and Section 7 of this ERP.

- ☐ Notify governmental agencies and third party organization per the **External Notification Matrix** (Table 7.1) found in Section 7 of this ERP.

Control Actions

- ☐ Activate SPCC Plan where applicable
- ☐ Activate / notify fire team as necessary
- ☐ Establish Hot, Warm and Cold Zones
- ☐ Relocate non-responders to the Cold Zone
- ☐ Don appropriate level of PPE for protection against the spilled material
- ☐ Continually assess the Hot Zone
- ☐ Monitor air quality (e.g., oxygen, lower explosive level (LEL), H2S, total organic hydrocarbons)
- ☐ Watch for possible migration of spill to nearby sump drains or sewage systems
- ☐ Consider shutting down process equipment or Unit as necessary
- ☐ Control ignition sources
- ☐ Stop the spill source
- ☐ Contain the spill area (spill kits, absorbent pads, booms, etc.)

Clean Up Actions

- ☐ Dispose of contaminants in proper drums or totes in the Warm Zone
- ☐ Ensure proper waste identification labels are placed on drums
- ☐ Ensure responders and equipment are properly decontaminated before leaving the Warm Zone

Post Incident

- ☐ Debrief personnel
- ☐ Collect all incident documentation
- ☐ Ensure all equipment used in response is replenished or replaced as necessary
- ☐ Ensure that the scene is fully secured for investigation as required by company policy and/or local authorities

6.4 Gas Leakage (SUS-04 MOPS)

DSHA Description	Scenarios
• Leakage of gas, including H_2S, natural gas (impact on site & off site)	• Natural gas on rig/facility • H_2S release on rig/facility

- ☐ Follow the 7 Steps for Initial On-Site Emergency Response (Section 6.1)
- ☐ Notify emergency response team authorities (e.g., shift supervisor, On-Scene Commander, Incident Commander) per the **Incident Notification Flowchart** and **Incident Classification Matrix** (Figure 7-1 & Table 5-1) found in Section 5 and Section 7 of this ERP.
- ☐ Notify governmental agencies and third party organization per the **External Notification Matrix** (Table 7.1) found in Section 7 of this ERP.

Control Actions

- ☐ Activate / notify fire team as necessary
- ☐ Establish Hot, Warm and Cold Zones
- ☐ Relocate non-responders to the Cold Zone (preferably up or cross wind of the leak source)
- ☐ Don appropriate level of PPE for protection against the leaking gas material
- ☐ Continually assess the Hot Zone
- ☐ Monitor air quality (e.g., oxygen, lower explosive level (LEL), H2S, total organic hydrocarbons)
- ☐ Consider shutting down process equipment or Unit as necessary
- ☐ Control ignition sources and use only intrinsically safe equipment
- ☐ Stop the product flow and isolate the source

Post Incident

- ☐ Debrief personnel
- ☐ Collect all incident documentation
- ☐ Ensure all equipment used in response is replenished or replaced as necessary
- ☐ Ensure that the scene is fully secured for investigation as required by company policy and/or local authorities

6.5 Loss of Well Control (SUS-05 MOPS)

DSHA Description	Scenarios
Well blowout at well locations. Results could be injury/fatality to personnel, release of gas or liquids, or damage	• Cement casing failure • BOP Failure • Well testing – hydrocarbon is flowing • Failure to identify kick • Loss of power to rig / drive off • Incidents during drilling of relief wells

- ☐ Follow the 7 Steps for Initial On-Site Emergency Response (Section 6.1)
- ☐ Notify emergency response team authorities (e.g., shift supervisor, On-Scene Commander, Incident Commander) per the **Incident Notification Flowchart** and **Incident Classification Matrix** (Figure 7-1 & Table 5-1) found in Section 5 and Section 7 of this ERP.
- ☐ Notify governmental agencies and third party organization per the **External Notification Matrix** (Table 7.1) found in Section 7 of this ERP.

Control Actions

- ☐ Activate / notify fire team as necessary
- ☐ Prepare to evacuate
- ☐ Establish Hot, Warm and Cold Zones
- ☐ Relocate non-responders to the Cold Zone (preferably up or cross wind of the well)
- ☐ Proactively mobilize well control expertise and equipment
- ☐ Coordinate with Statoil Source Control team
- ☐ Coordinate with well containment contractors
- ☐ Control ignition sources and use only intrinsically safe equipment

Post Incident

- ☐ Debrief personnel
- ☐ Collect all incident documentation
- ☐ Ensure all equipment used in response is replenished or replaced as necessary
- ☐ Ensure that the scene is fully secured for investigation as required by company policy and/or local authorities

6.6 Fire / Explosion (SUS-06 MOPS)

DSHA Description	Scenarios
• Hydrocarbon fire • Non-hydrocarbon fire in hazardous areas • Non-hydrocarbon fire in safe areas	• Hydrocarbon fires • Fire in electrical systems • Fire in wastes • Fire in structures, furniture, galley, etc. • Chemical fire (caustic soda)

- ☐ Follow the 7 Steps for Initial On-Site Emergency Response (Section 6.1)
- ☐ Notify emergency response team authorities (e.g., shift supervisor, On-Scene Commander, Incident Commander) per the **Incident Notification Flowchart** and **Incident Classification Matrix** (Figure 7-1 & Table 5-1) found in Section 5 and Section 7 of this ERP.
- ☐ Notify governmental agencies and third party organization per the **External Notification Matrix** (Table 7.1) found in Section 7 of this ERP.

Control Actions

- ☐ Call 911 or Emergency Services
- ☐ Activate / notify fire team as necessary
- ☐ Prepare to evacuate
- ☐ Establish Hot, Warm and Cold Zones
- ☐ Relocate non-responders to the Cold Zone (preferably up or cross wind of the fire)
- ☐ Don personal protective equipment
- ☐ Qualified fire team members attempt to control fire
- ☐ Rescue injured personnel and begin first aid or medical treatment

Post Incident

- ☐ Debrief personnel (consider Critical Incident Stress Debriefing)
- ☐ Collect all incident documentation
- ☐ Ensure all equipment used in response is replenished or replaced as necessary
- ☐ Ensure that the scene is fully secured for investigation as required by company policy and/or local authorities

6.7 Transportation Accident (SUS-07 MOPS)

DSHA Description	Scenarios
Any accident involving movement of personnel and equipment	• Vehicle accidents • Aircraft accidents

- ☐ Follow the 7 Steps for Initial On-Site Emergency Response (Section 6.1)
- ☐ Notify emergency response team authorities (e.g., shift supervisor, On-Scene Commander, Incident Commander) per the **Incident Notification Flowchart** and **Incident Classification Matrix** (Figure 7-1 & Table 5-1) found in Section 5 and Section 7 of this ERP.
- ☐ Notify governmental agencies and third party organization per the **External Notification Matrix** (Table 7.1) found in Section 7 of this ERP.

Control Actions

- ☐ Call 911 or Emergency Services (FAA for aviation accidents, USCG for offshore aviation / marine vessel accidents)
- ☐ Where possible, park vehicle in a safe location and ensure the accident scene is highly visible to other traffic (4 way flashers, reflective triangles, etc.)
- ☐ Assess the situation and look for hazards (fuel spill, potential fire, danger of vehicle shifting)
- ☐ Provide emergency medical aid, if safe to do so, and arrange transport to treatment facility
- ☐ Identify injured personnel / casualties for Next-of-Kin support
- ☐ Try not to disturb the incident scene other than as necessary for rescue or safety

Post Incident

- ☐ Debrief personnel (consider Critical Incident Stress Debriefing)
- ☐ Collect all incident documentation
- ☐ Ensure that the scene is fully secured for investigation as required by company policy and/or local authorities

6.8 Severe Weather – Hurricanes, Tornados, and Winter Storms / Extreme Cold (SUS-08 MOPS)

DSHA Description	Scenarios
Natural events threatening the integrity of the facilities (rig/facility, helicopters, and Houston office).	• Hurricane • Tornados • Winter Storms / Extreme Cold • Other severe weather

6.8.1 Hurricane Preparedness Plan

The objective of the Hurricane Preparedness Plan is to outline the scope and work processes for emergency response in event of a hurricane situation arising in connection with activities within Statoil US operations.

Managerial Responsibility

Hurricane preparedness along with emergency response is a line responsibility. The preparedness and response should take place on the lowest level possible in the organization and as close as possible to the site of emergency.

It is a line responsibility to follow weather forecasts and be prepared for a hurricane as described in this document. It is also the responsibility of the line managers to keep the senior management informed of measures taken in a hurricane alert situation. If deemed necessary, a hurricane committee will be established to watch and prepare for a potential hurricane in the Houston office. The committee will be called by the US Emergency Response Advisor and consists of the following members: SSU, Operations, Drilling, Human Resources, IT, Legal, Communications and GBS.

Storm Definitions

Hurricane	Maximum sustained winds exceed 64 knots (74 mph)
Hurricane Category 1	64-82 knots (74-95 mph)
Hurricane Category 2	83-95 knots (96-110 mph)
Hurricane Category 3	96-113 knots (110-130 mph)
Hurricane Category 4	114-135 knots (131-155 mph)
Hurricane Category 5	>135 knots (>155 knots)
Hurricane Season	June 1st though November 30th
Tropical Storm	Maximum sustained winds are from 35-64 knots (40-74 mph). The storm is named once it reaches tropical storm strength.
Tropical Depression	Areas of low atmospheric pressure originating over tropical waters with wind blowing counter-clockwise around a center with sustained winds from 20-34 knots (23-39 mph).
Tropical Disturbance	Unorganized mass of thunderstorms.
Hurricane Watch	Hurricane conditions are possible in the specified area of the Watch, usually within 36 hours.
Hurricane Warning	Hurricane conditions are expected in the specified area of the Warning, usually within 24 hours.

Weather Condition Forecasting and Hurricane Information

Weather Forecasting Services	Wilkens Weather Service (http://www.wilkensweather.com) is available to selected users. During normal weather conditions, a weather report is sent by e-mail daily. During abnormal weather conditions, multiple weather reports are sent daily.
Secondary Weather Forecasting	National Oceanic and Atmospheric Administration (http://www.noaa.gov/wx.html) provides announcements every few minutes and is updated every few hours, or more frequently.
Houston Hurricane Information	City of Houston's official hurricane website (http://www.houstonoem.net) provides information on mandatory evacuation.

Phase 1 Alert - From June 1 through November 30: A general heightened awareness level is imposed during hurricane season for Statoil activities onshore and offshore.

Onshore

- Communicate information to all personnel related to hurricane preparedness
- Issue leaflets with hurricane information
- Employees advised to check personal hurricane supply kits and review their plans in the case of evacuation.
- Hurricane Committee actively watching weather conditions on a daily basis.

Offshore

- Monitor the weather information and the platform's general operation conditions
- Ensure that pre-hurricane season checks are completed
- Drilling rigs and platforms review BOEMER/BSEE requirements for hurricane operations
- Drilling rigs and platforms become re-familiarized with calculating time necessary for securing the operations and evacuating personnel (T-time)

Phase 2 Alert - A warning that a tropical storm or hurricane enters the Gulf of Mexico or region of Statoil operations.

Onshore

- Communicate information to all personnel
- Prepare for closing office, if needed
- Consider booking hotel rooms in a safe area
- Re-check hurricane supply kits
- Plan and prepare for a possible evacuation
- Remote offices and operations in coastal areas – prepare to activate plans for securing operations and evacuating inland (away from coast)
- Shore base operations prepare to activate alternative shore base support facilities

Offshore

- Keep constant radio watch and weather surveillance
- Update POB on morning reports
- Maintain communications with shore base dispatcher on current weather and potential flooding conditions.
- Follow the storm movement and evaluate the critical times remaining before shut-down procedures must begin
- Monitor steps being taken offshore in the preparedness for securing operations
- DP drilling vessels start securing the ongoing well according to BSEE requirements for temporary abandonment
- Dependent upon weather forecast and well-specific conditions, disconnect LMRP and start pulling riser.

Phase 3 Alert - Tropical force winds or hurricane threaten Statoil operations.	
Onshore • Office will be secured and closed when decided by Executive Vice President DPNA. • Hurricane message will be posted on the USM Emergency Hotline and internet. • All government official evacuation requirements must be followed • Statoil operations to evacuate coastal areas and provide plans to HR • All employees must inform their supervisors about their decision to evacuate and their evacuation location • Inform your family / contacts about your plans • Visitors from out of town shall be informed and aided by their host contacts • Make notification to Vaktsentralen, Norway	**Offshore** • Notify shore base representative of the Phase 3 upgrade alert • Have a plan ready for helicopter evacuation of personnel • Start securing rig / platform and prepare for evacuation when hurricane reaches critical distance • Secure the wells in the path of the storm or set up to shut-in well remotely • DP drilling vessels complete pulling riser and sail out of the hurricane path
Phase 4 Alert - Hurricane appears to be moving toward the platform and/or onshore facilities	
Onshore • Personnel needing assistance contacts the Severe Weather Committee (SWC) • SWC will keep Statoil Norway informed • Next of Kin can contact an emergency number in Houston or Vaktsentralen in Norway for information • Shore base operations evaluate conditions of shore base facilities. Activate alternate shore base operations as required.	**Offshore** • The platforms have been evacuated and secured in accordance with Emergency procedures • DP drilling vessels sail out of hurricane path.
Phase 5 - After the storm passes	
Onshore • All personnel must report status to his/her supervisor • SWC with coordination of local management, decides when it is safe to return to work and informs personnel • Shore base operations – resume drilling rig support operations from primary or alternate shore base facilities	**Offshore** • Determine when it is safe to return to evacuated platforms and rigs • Follow established procedures for returning to platforms / rigs. • DP drilling vessels return to well location and resume operations. Notify BSEE when resuming operations. • Notify BSEE when resuming production operations

6.8.2 Tornado Preparedness Plan

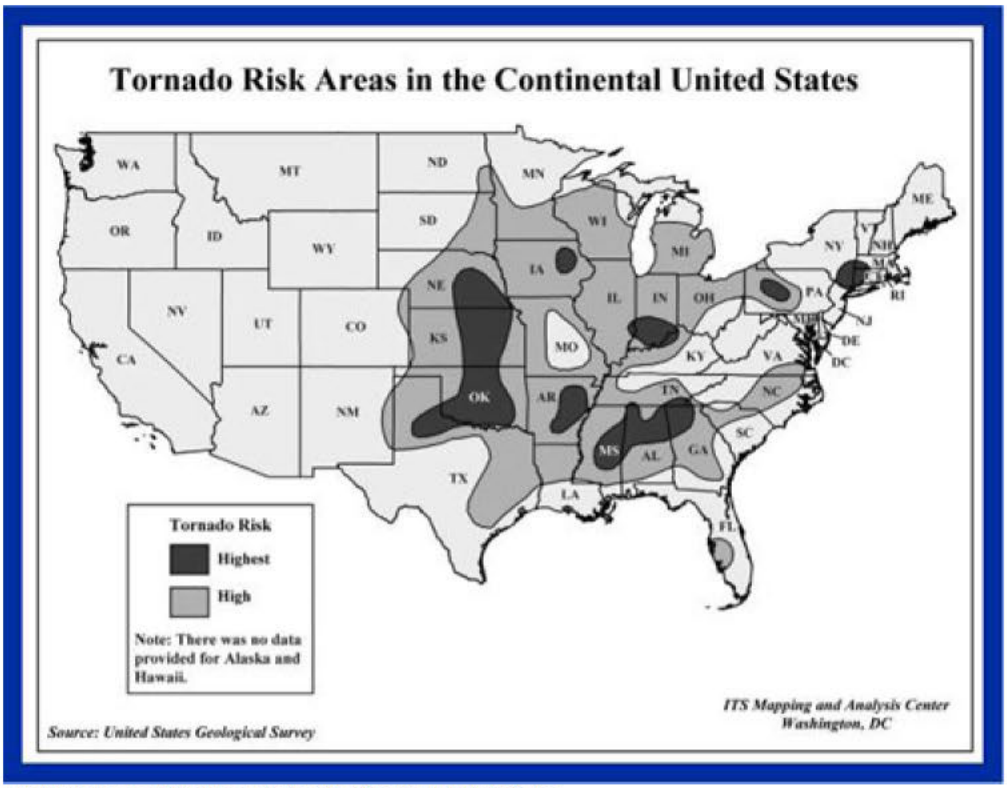
The objective of the Tornado Preparedness Plan is to outline the scope and work processes for emergency response of Statoil in the event of a situation arising in connection with activities within Statoil US operations or with personnel living in high risk tornado areas.

Managerial Responsibility

Tornado preparedness along with emergency response is a line responsibility. US Operations is responsible for establishing, implementing and maintaining an operational and effective emergency and tornado preparedness and response organization in Statoil DPNA.

Tornado Definitions

Tornado	A tornado is a localized and violently destructive windstorm occurring over land characterized by a funnel-shaped cloud extending toward the ground. The size of a tornado is not necessarily an indication of intensity. Large tornados may be weak and small tornados may be violent. Tornadoes are nature's most violent storms. Spawned from powerful thunderstorms, tornadoes can cause fatalities and devastate a neighborhood in seconds. A tornado appears as a rotating, funnel-shaped cloud that extends from a thunderstorm to the ground with whirling winds that can reach 300 miles per hour. Damage paths can be in excess of one mile wide and 50 miles long. Every state is at some risk from this hazard. **Facts:** • They may strike quickly, with little or no warning. • They may appear nearly transparent until dust and debris are picked up or a cloud forms in the funnel. • The average tornado moves Southwest to Northeast, but tornadoes have been known to move in any direction. • The average forward speed of a tornado is 30 MPH, but may vary from stationary to 70 MPH. • Tornadoes can accompany tropical storms and hurricanes as they move onto land. • Waterspouts are tornadoes that form over water. • Tornadoes are most frequently reported east of the Rocky Mountains during spring and summer months. • Peak tornado season in the southern states is March through May; in the northern states, it is late spring through early summer. • Tornadoes are most likely to occur between 3 p.m. and 9 p.m., but can occur at any time.
Tornado Warning	A tornado has been sighted or indicated by weather radar. Take shelter immediately.
Tornado Watch	Tornadoes are possible. Remain alert for approaching storms. Watch the sky and stay tuned to NOAA Weather Radio, commercial radio, or television for information.



FEMA Tornado Risk Areas in the Continental United States

BEFORE A TORNADO – Employees living in high risk tornado areas shall follow the following protective measures:
• Receive training prior to assignment on local weather hazards and personal response requirements. • Follow weather forecasts and be prepared for a tornado as described in this document. Understand the local weather patterns, weather news reporting systems, and to follow weather reports closely. • In the case of seconded personnel, understand the seconded company's severe weather requirements (including shelter in place) while working in the seconded company's offices. • Think through and follow a home emergency response plan which includes shelter in place locations in the home. • Determine the local municipality shelter that is closest to the home. • Understand the community alarm system (emergency horns) if located in the neighborhood.

Recommended supplies for emergency response kit (preferably a back pack):

- Radio with SAME (Specific Area Message Encoding) technology. These radios turn on automatically and broadcast weather warnings. Should remain ready at all times to announce weather alerts.
- Flashlight - Either crank or battery with lots of extra batteries.
- Glow Sticks - Don't use candles. Gas leaks could be present.
- Copy of the contents of your wallet. Credit cards, medical ID cards, etc. In case your wallet doesn't make it, you have a record of everything in it.
- Extra cash, credit card or traveler's checks.
- Small power convertor to turn vehicle power into AC household power.
- Cell phone charger.
- Extra car keys.
- Empty medicine bottles so you have the prescription number to get filled.
- Small can opener.
- Extra shoes and socks in case you don't have time to put yours on.
- Spare glasses. Better to have an old prescription than none.
- List of emergency contacts, including the DPNA US Incident Commander.
- Police whistle to sound for help.
- Lighter and water-proof matches. (may need a fire to stay warm)
- Dust masks.
- Garbage bags with ties - personal sanitation.
- Toilet paper and toiletries/ hygiene products.
- Complete change of clothing including long sleeves and long pants.
- Food - bottled water, granola bars, energy bars, cheese and crackers, canned meat.
- First Aid Kit:
- Antibiotic Ointment
- Antibacterial soap
- Burn ointment
- Adhesive bandages of all sizes
- Medical tape
- Gauze pads and large surgical pads (bleeding may be an issue)
- Tweezers
- Scissors
- Thermometer
- Eye wash/sterile saline
- Moist towelettes
- Over the counter: Aleve/Advil/Benadryl
- Several pairs of gloves
- Household chlorine bleach and an eye dropper - dilute nine parts water to one part bleach it becomes an antiseptic/disinfectant. To decontaminate drinking water - 12 drops per one gallon of water. No fancy colored bleaches or other chemicals! Just regular bleach.

Be alert to changing weather conditions

- Listen to NOAA Weather Radio or to commercial radio or television newscasts for the latest information.
- Look for approaching storms.
- Look for the following danger signs:
  - Dark, often greenish sky
  - Large hail
  - A large, dark, low-lying cloud (particularly if rotating)
  - Loud roar, similar to a freight train.

DURING A TORNADO – If you are under a tornado WARNING, seek shelter immediately!	
If you are in	**Then**
A structure (e.g. residence, small building, school, nursing home, hospital, factory, shopping center, high-rise building)	Go to a pre-designated shelter area such as a safe room, basement, storm cellar, or the lowest building level. If there is no basement, go to the center of an interior room on the lowest level (closet, interior hallway) away from corners, windows, doors, and outside walls. Put as many walls as possible between you and the outside. Get under a sturdy table and use your arms to protect your head and neck. Do not open windows.
A vehicle, trailer, or mobile home	Get out immediately and go to the lowest floor of a sturdy, nearby building or a storm shelter. Mobile homes, even if tied down, offer little protection from tornadoes.
The outside with no shelter	Lie flat in a nearby ditch or depression and cover your head with your hands. Be aware of the potential for flooding. Do not get under an overpass or bridge. You are safer in a low, flat location. Never try to outrun a tornado in urban or congested areas in a car or truck. Instead, leave the vehicle immediately for safe shelter. Watch out for flying debris. Flying debris from tornadoes causes most fatalities and injuries.

6.8.3 *Winter Storms / Extreme Cold*

Before Winter Storms / Extreme Cold

To prepare for a winter storm you should do the following:

- ☐ Before winter approaches, add the following supplies to your emergency kit:
  - Sand to improve traction.
  - Adequate clothing and blankets to keep you warm.
- ☐ Make a Family Communications Plan. Your family may not be together when disaster strikes, so it is important to know how you will contact one another, how you will get back together and what you will do in case of an emergency.
- ☐ Listen to a NOAA Weather Radio or other local news channels for critical information from the National Weather Service (NWS). Be alert to changing weather conditions.
- ☐ Minimize travel. If travel is necessary, keep a disaster supplies kit in your vehicle.

Winterize Your Home:

- ☐ Insulate pipes with insulation or newspapers and plastic and allow faucets to drip a little during cold weather to avoid freezing. Running water, even at a trickle, helps prevent pipes from freezing.
- ☐ Keep fire extinguishers on hand, and make sure everyone in your house knows how to use them. House fires pose an additional risk, as more people turn to alternate heating sources without taking the necessary safety precautions.
- ☐ Learn how to shut off water valves (in case a pipe bursts).

Know the Terms:

Freezing Rain - Rain that freezes when it hits the ground, creating a coating of ice on roads, walkways, trees and power lines.

Sleet - Rain that turns to ice pellets before reaching the ground. Sleet also causes moisture on roads to freeze and become slippery.

Winter Weather Advisory - Winter weather conditions are expected to cause significant inconveniences and may be hazardous. When caution is used, these situations should not be life threatening.

Winter Storm Watch - A winter storm is possible in your area. Tune in to NOAA Weather Radio, commercial radio, or television for more information.

Winter Storm Warning - A winter storm is occurring or will soon occur in your area.

Blizzard Warning - Sustained winds or frequent gusts to 35 miles per hour or greater and considerable amounts of falling or blowing snow (reducing visibility to less than a quarter mile) are expected to prevail for a period of three hours or longer.

Frost/Freeze Warning - Below freezing temperatures are expected.

During Winter Storms / Extreme Cold

- ☐ Stay indoors during the storm.
- ☐ Walk carefully on snowy, icy, walkways.
- ☐ Avoid overexertion when shoveling snow. Overexertion can bring on a heart attack—a major cause of death in the winter. If you must shovel snow, stretch before going outside.
- ☐ Keep dry. Change wet clothing frequently to prevent a loss of body heat. Wet clothing loses all of its insulating value and transmits heat rapidly.

- ☐ Watch for signs of frostbite. These include loss of feeling and white or pale appearance in extremities such as fingers, toes, ear lobes, and the tip of the nose. If symptoms are detected, get medical help immediately.
- ☐ Watch for signs of hypothermia. These include uncontrollable shivering, memory loss, disorientation, incoherence, slurred speech, drowsiness, and apparent exhaustion. If symptoms of hypothermia are detected, get the victim to a warm location, remove wet clothing, warm the center of the body first and give warm, non-alcoholic beverages if the victim is conscious. Get medical help as soon as possible.
- ☐ Drive only if it is absolutely necessary. If you must drive: travel in the day; don't travel alone; keep others informed of your schedule; stay on main roads and avoid back road shortcuts.
- ☐ Let someone know your destination, your route, and when you expect to arrive. If your car gets stuck along the way, help can be sent along your predetermined route.
- ☐ If the pipes freeze, remove any insulation or layers of newspapers and wrap pipes in rags. Completely open all faucets and pour hot water over the pipes, starting where they were most exposed to the cold (or where the cold was most likely to penetrate).
- ☐ Maintain ventilation when using kerosene heaters to avoid build-up of toxic fumes. Refuel kerosene heaters outside and keep them at least three feet from flammable objects.
- ☐ Conserve fuel, if necessary, by keeping your residence cooler than normal. Temporarily close off heat to some rooms.
- ☐ If you will be going away during cold weather, leave the heat on in your home, set to a temperature no lower than 55ºF.

After Winter Storms / Extreme Cold

- ☐ Go to a designated public shelter if your home loses power or heat during periods of extreme cold. Text **SHELTER** + your ZIP code to **43362** (4FEMA) to find the nearest shelter in your area (example: ***shelter 12345***).
- ☐ Continue to protect yourself from frostbite and hypothermia by wearing warm, loose-fitting, lightweight clothing in several layers. Stay indoors, if possible.

National Weather Service Windchill Chart

NWS Windchill Chart

Wind (mph) \ Temperature (°F)	Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5		36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63
10		34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72
15		32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77
20		30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81
25		29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84
30		28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87
35		28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89
40		27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91
45		26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93
50		26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95
55		25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97
60		25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98

Frostbite Times: 30 minutes | 10 minutes | 5 minutes

$$\text{Wind Chill (°F)} = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})$$

Where, T= Air Temperature (°F) V= Wind Speed (mph)

Effective 11/01/01

6.9 Personnel Stranded or Lost (SUS-09 MOPS)

DSHA Description	Scenarios
Personnel either lost or unable to get back to their home base.	• Helicopter incident • Missing person after severe weather

If You Are Lost or Stranded

- ☐ Call Emergency Services (911) and Incident Commander
- ☐ Do not leave vehicle
- ☐ Assess your situation
  - o Are you in immediate danger (injury, medical needs, not enough warm clothing, etc.)?
  - o What are the weather conditions?
  - o Do you have enough equipment to keep you warm (blankets, candles, extra clothing)?
  - o Fuel remaining?
  - o Food, water?
  - o If lost, try to recall your route and any notable landmarks you can see or last remember passing
  - o Can you identify your location using a Global Positioning Device (GPS) such as a GPS device in car, hand held unit, or on your cell phone?
  - o If stranded, identify problem (breakdown, in the ditch, stuck, etc.) and advise what type of support is required (tow truck, ATV, etc.)

If You Are Responding To Lost or Stranded Personnel

- ☐ Assess situation
- ☐ Review checklist (above) with lost or stranded personnel
- ☐ Determine how much daylight is left
- ☐ Determine how quickly aid can arrive
- ☐ If person is lost, mobilize resources to support search and rescue operations
- ☐ Determine if GPS coordinates are available.
- ☐ If person is stranded, determine whether there are any dangers to rescue (e.g. bad road conditions) and dispatch appropriate support
- ☐ Support may need to include food, water, warm clothing, in addition to basic rescue equipment
- ☐ Maintain contact with lost or stranded personnel, if possible
- ☐ Arrange for Next-of-Kin notification and ongoing care for Next-of-Kin

Post Incident

- ☐ Debrief personnel (consider Critical Incident Stress Debriefing)
- ☐ Collect all incident documentation

6.10 Security Incidents (SUS-10 MOPS)

DSHA Description	Scenarios
Threats and criminal acts directed toward the activities or personnel on rig / facility / Houston office	• NGO action • Trespassing into Statoil restricted areas • Bomb threats • IT threats • Active Shooter • Other

Threats by Telephone (use attached "Bomb Threat" checklist if applicable)

- ☐ Record as much information as possible such as:
  - Date and time of call
  - Telephone number receiving call
  - Exact words used by caller
  - Voice characteristics of the caller
  - Background noises
- ☐ Try to establish:
  - The caller's name
  - His/Her phone number
  - Why is this threat being made
  - Where is the bomb or device placed (which building, room or location). Test questions such as what room? Where are the doors? What is outside of the room? Where onsite
  - What time will it go off
- ☐ Notify immediate supervisor, campus security, and Duty Manager (713-502-7808)

Threats by E-Mail

- ☐ If you receive an email threat, do not forward it or delete it or reply to it. Print off the message and have it available for review.
- ☐ Notify immediate supervisor, campus security, and Duty Manager (713-502-7808)

Threats by Letter

- ☐ Place the letter in a larger container such as a small box or large envelope to minimize further handling
- ☐ Do not write or mark on the envelope or letter
- ☐ Notify immediate supervisor, campus security, and Duty Manager (713-502-7808)

Suspicious Mail or Package

- ☐ Characteristics of a suspicious parcel or letter include:
  - Having a powdery substance on the outside (note: cornstarch like powders are used in printing processes to keep glossy magazine pages from sticking together. These powders are not hazardous.
  - Are unexpected or from someone unknown to the recipient
  - Have excessive postage, handwritten or poorly typed address, incorrect titles, or titles with no name, or misspellings of common words.
  - Are addressed to someone no longer with the organization or are otherwise outdated
  - Have no return address or have one that can't be verified as legitimate
  - Are of unusual weight, given their size, or are lopsided or oddly shaped
  - Have an unusual amount of tape on them
  - Are marked with restrictive endorsements, such as 'Personal", Confidential" or "To be opened by (name of recipient) only"
  - Have strange odors or stains
- ☐ Should a suspicious package, envelope or letter arrive at a mailroom or desk:
  - Do not handle the item any further
  - Do not place the item in water, or a file cabinet or other container
  - Notify supervisor
- ☐ The supervisor should:
  - Secure and clear the area in which the suspicious item is located
  - Contact the addressee (where applicable) to determine if a/the package is expected and the contents can be identified
  - Contact the sender if possible, to establish if the package is genuine; evaluate the information carefully in case of deception by the sender.
  - If the inquiries fail to resolve suspicions follow the reporting process as detailed in the next section

Reporting and Communication

- ☐ A supervisor or manager notified of any of the foregoing events by an employee should:
  - o Ensure a report is made to the local police
  - o Ensure an incident report is filed
  - o Initiate the Emergency Response Plan (This Plan)

Threat Evaluation

Immediate efforts should be made to evaluate the threat report. In trying to determine whether the threat is genuine or a hoax, several factors need to be considered:

- ☐ Reliability
  - o Details of the call, the caller, old/young, male/female, voice characteristics
  - o Manner of speech, state (nervous, calm, excited, cool, deliberate, intoxicated)
- ☐ Plausibility
  - o If the device is said to be on the 4th floor of a building known to have only 3 stories. Is the building accessible, have there been any recent incidents at the building or facility?
- ☐ Believability
  - o Level of detail given is very specific, such as locations, times, where the device is, what it looks like.
- ☐ Other Threats
  - o Have there been other threats received by the company, other threats in the community? Have they received publicity?
- ☐ A decision to regard the threat as a hoax should only be made after a thorough search has been conducted.

Searches

- ☐ Normally the local authorities/police will not search a facility. They lack the knowledge of the facility, its functions, and what should normally be found in the building. Employee volunteers such as supervisors, fire wardens or others who may be familiar with the building, and can identify unusual or out of the ordinary items are more suitable.
- ☐ Public areas such as washrooms, hallways, stairwells, should be searched first, along with unlocked service and mechanical rooms. A search of the exterior of the building should happen while the interior searches are being conducted.
- ☐ Searchers should be systematic, starting with the perimeter of each area and working inward. Each area should be under the control of a volunteer acting as a coordinator, once the area has been cleared the coordinator will advise accordingly.
- ☐ A room should be searched slowly and systematically. To avoid the possibility of areas being missed, the room should be split in two (2) halves; and each should be searched separately using the following format:
  - o Floor to Waist Level
  - o Waist to Eye Level and
  - o Eye to Ceiling Level
- ☐ Searchers will be looking for anything unusual, however unless there is specific information gleaned from the threat communication (such as a description of the device) the scope will be understandably wide.
- ☐ If a device or suspicious object is found the searchers should NOT TOUCH it or attempt to handle it. The area should be isolated and the emergency response agencies be notified.
  Watch for multiple devices. The searches should continue until the entire facility is cleared. This will be dependent on the directions provided by local authorities/police.

Evacuation

- ☐ The discovery of a suspicious device will require a decision around evacuation. Evacuation options are:
  - o Evacuate everyone immediately and search
  - o Evacuate some employees while a search is undertaken
  - o Evacuate no one and search
- ☐ As a minimum, employees should be withdrawn from the zone in which the questioned device was found. Employees should be moved to established evacuation zones.
- ☐ The route to the evacuation areas, and the areas themselves should be checked for other suspicious or multiple devices before the employees are assembled in these areas.
- ☐ The decision to evacuate the entire facility will depend on the credence given to the threat, the likeliness of it being a hoax, the inability to conduct a satisfactory search of the facility, or the strong indications a device has been placed in the facility and cannot be located. Evacuation should not be an automatic reaction, as this will lead to continued threats and copycat incidents.
- ☐ The decision to evacuate a facility rests with the highest ranking management person present at the time of the incident.

Bomb Threat Checklist

Receipt of Initial Call

Your Name:	Your Contact #:	Date:	Time:

Call Details

Date of Call:	**Listen carefully and remain calm**
Time Called: / Time Call Ended:	**Do not interrupt caller**
Telephone Number Called:	**Do not use confrontational language**
Impression of Caller's Voice:	**Attempt to keep the caller talking**
☐ Male ☐ Female ☐ Adult ☐ Teenager	**Record as much information as you can during call**
☐ Elderly ☐ Accent (Foreign/Local)	**Signal someone to notify your supervisor**

Exact Words of Caller: (Use the back of the form for any additional information)

Questions to Ask:

- When is the bomb going to explode?
- Where is the bomb right now?
- What does it look like?
- What will cause it to explode / set it off (movement, time, and shock)?
- Did you place the bomb? Why?
- Where are you calling from?
- What is your name? / Name of your organization?
- Did caller reveal any identifying particulars? (e.g. Nickname, familiarity with staff, etc.)
- Is the voice familiar? If so, who did it sound like?
- Did caller appear familiar with Statoil property by description of bomb location?

Voice	Speech	Language	Manner	Background Details	
Loud	Fast	Excellent	Calm /Normal	Office	Factory
Soft	Slow	Good	Angry	Street Traffic	Airplanes
Whispered	Distinct	Fair	Happy/Laughing	Trains	Animals
High Pitched	Distorted	Poor	Sad /Crying	Bedlam	Music
Deep	Stutter	Foul	Vulgar	Quiet	Voices
Cracking voice	Clearing Throat	Certain phrases	Deep breathing	PA system	Party Atmosphere
Pleasant	Slurred	Well spoken	Deliberate	Mixed	Household
Intoxicated	Lisp	Educated	Emotional	Long distance	Local call
Raspy	Nasal	Polite	Righteous	Taped msg.	Read msg.
	Disguised		Rational / Irrational	Clear	Static
	Muffled		Coherent / Incoherent		

Other voice or sound characteristics:

As soon as the caller is off the line, notify the On-call Line 2 Incident Commander (and Statoil security) and follow their instructions

Others Advised:

☐ Statoil Security Time:	☐ Your Supervisor Time:	☐ Local authorities/police Time:

6.10.1 Active Shooter

An active shooter is an individual actively engaged in killing or attempting to kill people in a confined and populated area, typically through the use of firearms.

Run

- ☐ Have an escape route and plan in mind
- ☐ Leave your belongings behind
- ☐ Keep your hands visible

Hide

- ☐ Hide in an area out of the shooter's view
- ☐ Block entry to your hiding place and lock the doors
- ☐ Silence your cell phone and/or pager

Fight

- ☐ As a last resort and only when your life is in imminent danger
- ☐ Attempt to incapacitate the shooter
- ☐ Act with physical aggression and throw items at the active shooter

Coping with an Active Shooter Situation

- Be aware of your environment and any possible dangers
- Take note of the two nearest exits in any facility you visit
- If you are in an office, stay there and secure the door
- Attempt to take the active shooter down as a last resort
- Call 911 when it is safe to do so

How to Respond when Law Enforcement Arrives

- Remain calm and follow instructions
- Put down any items in your hands (i.e., bags, jackets)
- Raise hands and spread fingers
- Avoid quick movements toward officers such as holding on to them for safety
- Avoid pointing, screaming or yelling
- Do not stop to ask officers for help or direction when evacuating

Information to provide to law enforcement or 911 operator

- Location of the active shooter
- Number of shooters, if more than one
- Physical description of shooter/s
- Number and type of weapons held by the shooter/s
- Number of potential victims at the location

Additional Ways to Prepare for and Prevent an Active Shooter Situation

- Preparedness
  - Ensure that your facility has at least two evacuation routes
  - Post evacuation routes in conspicuous locations throughout your facility
  - Include local law enforcement and first responders during training exercises
  - http://www.readyhoustontx.gov/videos.html
- Prevention
  - Foster a respectful workplace
  - Be aware of indications of workplace harassment and potential violence. Take remedial actions accordingly

7 Notifications

7.1 Emergency Incident Notification

During an emergency event, notifications must be “immediate” and “confirmed”.

Notification is only confirmed when direct contact has been made with the intended party. Leaving voicemail, sending email or text messages do not qualify as confirmed notifications. All notifications should be documented for the official record and will start the notification process.

Figure 7-1: Emergency Incident Notification Chart displays the emergency incident notification process used to activate the three Statoil lines of emergency response team support.

Upon discovery of an actual or potential emergency event, the On-Scene Commander will notify the Statoil Line 2 QI/IC (Duty Manager or Asst. Duty Manager).

7.2 Notification to the Qualified Individual (QI) / Incident Commander (IC)

When an incident with the potential for Line 2 IMT support occurs, the On-Scene Commander notifies the Line 2 Qualified Individual (QI). A Line 2 QI and a Safety Officer will be on-duty and available 24 hours a day. The QI may also act as the Incident Commander of the event. The on-duty QI and Safety Officer will have in their possession rotating mobile phones and can be contacted at the below telephone numbers:

Statoil Qualified Individual (QI) / Incident Commander (IC): 713-502-7808 (first call)
Statoil Safety Officer: 713-560-6660 (back-up call if QI / IC cannot be contacted)
General Mailbox: “GM US Emergency Response Center” or “USERC@statoil.com” – common electronic mailbox accessed by all QI’s and Safety Officers for sharing of emergency related documentation. **Note: Emergency notification to the QI must be made by calling the above telephone number. Do not use this general mailbox in place of calling the QI.**

7.3 Notification to the Incident Management Team (IMT)

After receiving notification of an incident, the QI/IC will determine the need for mobilizing the Line 2 IMT. The Incident Commander leads the command and establishes general staff positions on the Incident Management Team (IMT) as needed.

The number of positions mobilized will be based on the scale and severity of the emergency event. Less complex incidents may only require a few active team members. The IC will decide on what positions to mobilize. Line 2 IMT Roster and Contact Information can be found in Appendix A.

Team members will report to Emergency Operations Center (EOC) or as directed by the QI.

Note: **Witt l O’Brien’s or ES&H l Forefront Emergency may act as the IMT per the discretion of the Statoil QI**.

7.4 External Notifications

Government / Regulatory Notifications
All government or regulatory notifications regarding the incident in question should be conducted by a Statoil Representative. If assistance is required to complete regulatory notifications Line 2 – Incident Management Team Liaison Officer may be tasked with this duty. Notification and contact with government or regulatory agencies should be well documented and included in the permanent record.

All inquiries by the governmental agencies to third party persons should be referred to Line 2 IMT for the official response. Table 7-1 describes external reporting requirements for various incident types. See Appendix B for contact information to various Federal and State government agencies as well as 3rd party support services. A single point of contact will be established between governmental agencies and the IMT through the Liaison Officer for significant incidents requiring notification to the QI/IC.

Next of Kin Notification
Next of Kin Notifications will be conducted by the Line 2 - Care Team Supervisor (Human Resources).

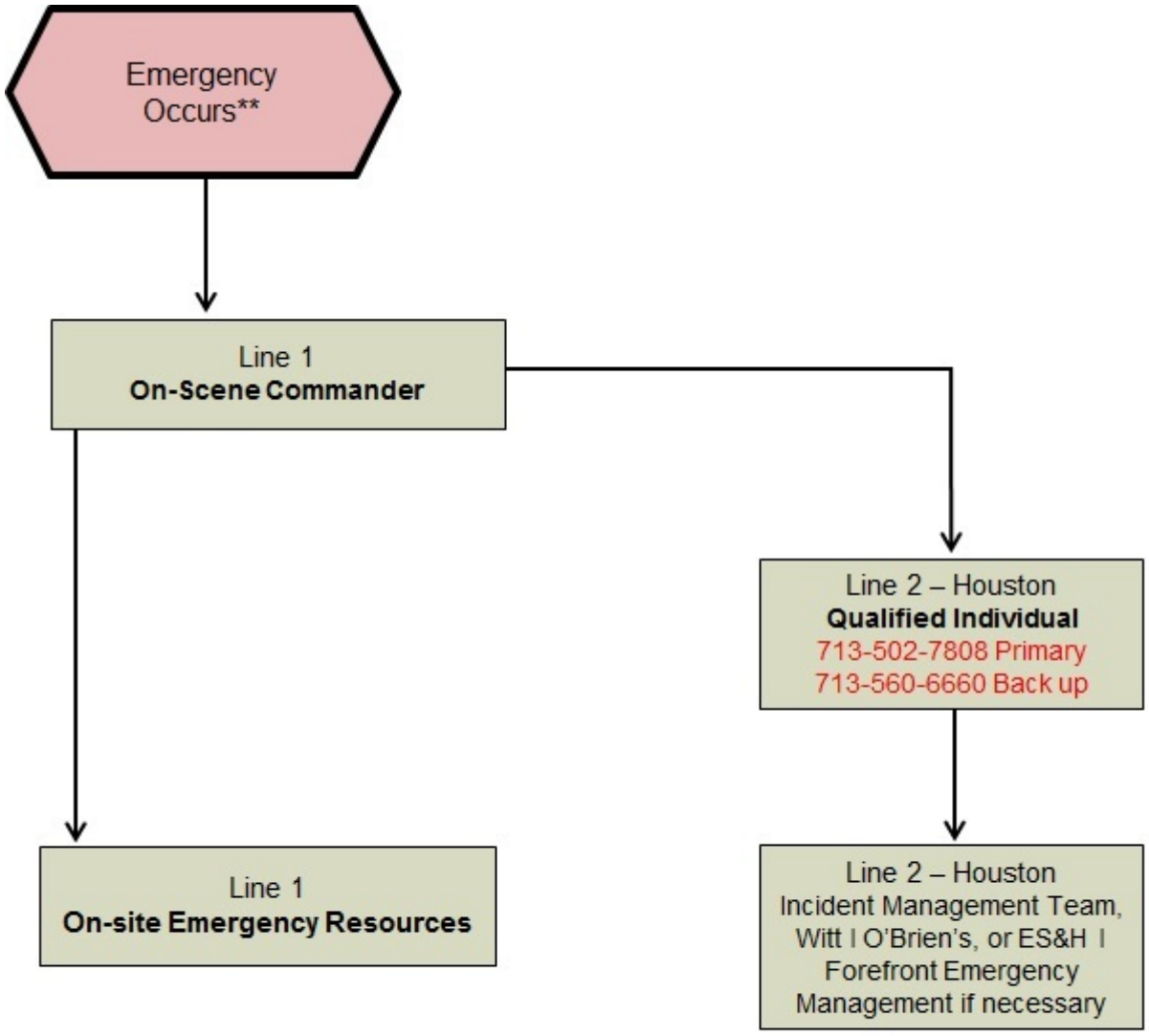


Figure 7-1: Emergency Incident Notification Chart

Incident Type / Agency/Organization	Emergency Medical Service	Local authorities / police (Onshore Event)	Witt I O'Brien's or ES&H I Forefront Emergency Management (Onshore spill – O'Brien's or ES&H can make required notifications per the response plan)	NRC (Related to Spills) only when volume exceeds RQ for material	US Environmental Protection Agency (Onshore spill)	Onshore Well Firefighting (Wild Well Control?)	State Regulatory Agencies (Onshore) *Per applicable local response plan*	OSHA Only for onshore events
Fatality	X	X						X
Lost/Restricted Workday Injury	X							
Medical Treatment Injury (requiring evacuation from facility for treatment)	X							
Occupational Injuries requiring evacuation for medical treatment	X							
Missing Person	X	X						
Security Threat		X		X				
Fire/Explosion		X	X			X	X	
Hydrocarbon Release (Spill to Sea)			X	X	X		X	
Gas release that initiate equipment or process shutdown								
Any chemical spill exceeding a RQ *			X	X	X		X	
Loss of Well Control			X	X		X	X	
Structural damage to facility causing loss of operations								
Impairment/Damage to Critical Equipment								
Incidents that damage or disable safety systems or equipment (including firefighting systems)								
Any incident resulting in property or equipment damage > $25K.								
Collision resulting in property/equipment damage >$25K								
Incident caused by crane or rigging failure; incident causing damage to the load or facility, or injury to personnel.								
Incidents requiring facility personnel to muster for evacuation for reasons not related to weather, drills, or false alarms.								

* Reportable Quantity (RQ) per 40CFR302.4 (http://www.epa.gov/ceppo/pubs/title3.pdf)

Table 7-1: External Notification Matrix

8 General Responsibilities

8.1 Documentation

All personnel responding to the event should maintain an accurate log of events and conditions throughout the incident. The record should be written and, where possible, a photographic log of the events and situation should be maintained. This includes the personnel at the site and in the office.

Note: All documentation should be included in the permanent record and all records regarding the well conditions are confidential. Only authorized personnel can release any information regarding the incident.

8.2 Communications

Communications with supply and service companies will probably be via telephone. If service is available, a cell phone should also be available in the On-Site Incident Command Post in case the satellite phone system goes down.

Ensure that communications are coordinated by filtering incoming phone calls to the ICP/EOC and by ensuring incoming and outgoing fax communications flow efficiently.

8.3 Public/Media Communications

The Line 2 IMT is responsible for all public / media relations and should proceed as set forth in Emergency Response Procedures. The Incident Management Team should work closely with the designated authorities to ensure that press releases and any needed contacts with injured person's relatives are carried out in a manner that is suitable to Statoil DPNA UON and complies with all applicable laws.

8.4 Public and Local Authority Involvement in Emergency Response

To ensure that there is no confusion or misunderstanding of the roles and responsibilities prior to commencement of the public involvement program, confirm and coordinate roles and responsibilities in accordance with the protocols established with

- The local authorities (Police, Health)
- The directors of emergency management (or designates/deputy directors) for all Counties within and adjacent affected area
- The local health authorities or applicable federal health branch.

Attempt to reach a mutual understanding with local authorities on the specific needs and roles and responsibilities of each party during an emergency and include a summary of the roles and responsibilities.

8.5 On-Site Incident Command Post (ICP)

The ICP will be the center for operations during a well control emergency and will serve as the main point of contact and communications. The following equipment and material will ensure a state of readiness:

- Telephone system to handle local and international calls simultaneously
- Adequate internet/LAN connections to allow full time data transfer via e-mail and www
- Local and network printers
- Adequate power sources (plugs) for computers with sufficient Un-Interruptible Power Supply (UPS)
- High quality speaker phone for conference calls
- Audio Visual aids to include overhead projector (manual and computer), Video Cassette Player with monitor (television)
- Incident status board for drawing/displaying information
- Clocks showing local and Houston time zones
- Good supply of writing implements (pencils, pens, dry erase markers, etc.)
- Good supply of writing paper, file folders, staplers, paper clips, note pads and other miscellaneous office supplies
- Ready access to copy machine
- Adequate furniture
- Detailed maps of the operational area
- Easily visible list of emergency contact numbers
- Two (2) copies of Emergency Response Procedures
- Refreshments

8.6 Incident De-Briefing / De-Mobilization

Upon completion of assignment on the Line 1 Tactical Response Team every team member shall go through a De-Briefing and De-Mobilization Process. This process shall be designed and clearly stated within a De-Mobilization plan. This plan is developed by the Line 2 Planning Section Chief. If no section chief is appointed then the local Line On-Scene Commander has the responsibility to ensure that the proper process is being taken.

9 Safety

Large-scale incidents usually involve a large number of personnel performing a wide variety of tasks. The safety of the personnel doing this work is the most important concern during the entire operation.

A properly implemented safety system will set the tone of the event response and will keep safety as the primary goal for the job. It also gives all personnel an avenue to address safety issues involved.

Implementation of several safety measures should be done at the outset of an emergency response. This can be done without adversely affecting the timely response to an event that may be needed to prevent deterioration of the situation.

9.1 Site Safety Plan

The development of a Site Safety Plan will aid in the overall safety management during the event. The plan is a "living" document that details the overall safety aspects of the incident. This document should become a permanent part of the emergency response record.

The plan should be written by the on-site SSU or designated personnel. Other team members and/or company personnel should review the plan for comments and necessary additions. Once approved and in final form, all persons involved in the emergency should review and be familiar with the plan contents.

The plan can be written in free form or can be a pre-prepared form that contains appropriate blank spaces to be filled in at the job site. If a pre-written form is used, it should be augmented with additional documentation such as drawings, sketches and additional narrative, if needed.

The plan should cover all aspects of the safety management of the task at hand and should be flexible enough that modifications can be easily made and incorporated.

The plan should not be written in such a manner that deviation from the planned work on the source would be stopped if a change in the source conditions dictated a change in the intervention techniques.

There are certain elements that should be considered for a comprehensive Site Safety Plan. Including each of these elements in some form should provide for a Site Safety Plan that is comprehensive and applicable to the job to be accomplished.

Please reference the Site Safety Plan Form in Appendix C.

9.2 Site Safety Implementation

Once the Site Safety Plan is written, it is put into practice at the site. Coordination of all the safety activities at the site can be a large task.

Safety Meetings

All personnel involved in the intervention should attend the daily meeting. This meeting should be used to outline the day's planned activities and the specific safety concerns involved with the activities. Task specific safety meetings should be held prior to tasks that are complex in nature. These meetings should include all personnel that are required for each specific task to be accomplished.

For personnel that do not speak English, special attention is required to ensure that all personnel understand the safety issues involved during the safety meetings. Interpreters may be required and extra time may be needed to conduct the safety meetings.

In cases where there are toxic gasses such as H_2S present, wind direction and the safety systems for detection and breathing are important factors in the site safety operations. The system set up should be detailed and all personnel should be familiar with the detection system layout and operation. Briefing sessions should be mandatory for all personnel at the site including visitors.

The safety meetings should be documented so as to become a permanent part of the intervention record. The document should contain a brief description of the safety topics and a register of the personnel in attendance.

Safety Office

A Safety Office may be set up at the site. This will be the SSU main station at the site or in the ICP. This station can be used to house First Aid Kits and other emergency equipment. In cases where toxic gases are present, breathing and monitoring equipment can also be located here.

The office should be located in a safe area so that it can be used as a meeting point or "safe area" if an emergency arises and the well site has to be evacuated.

Communications

The on-site radio communications should be tested daily (if applicable). This includes the link to the Tactical Response Team (TRT) and medical services.

Isolation Procedures

Establishing and managing manned roadblocks restrict unauthorized entry into the area. Address major highways, railways, and public centers that could be potentially impacted by the hazard.

Air quality monitoring

Air quality monitoring is used for tracking and recording the presence and concentrations of H_2S during a sour gas release and SO_2 following the ignition of the release or the presence and lower explosive limit (LEL) levels of HVP product following a release. Air quality monitoring equipment may be used to:

- Track the plume
- Determine if ignition concentration criteria are met
- Determine whether evacuation and/or sheltering concentration criteria have been met
- Assist in determining when the emergency status can be downgraded
- Determine roadblock locations
- Determine concentrations in areas being evacuated to ensure that evacuation is safe

The type of air monitoring units and the number of monitors required are based on site-specific information, including:

- Access and egress points
- Population density and proximity to urban density developments
- Local conditions

Safety Equipment

- Communications equipment for the public safety coordinator, rovers, roadblock and air monitoring personnel
- Equipment for roadblock kits (including contents)
- Ignition equipment
- Gas monitoring equipment

9.3 Conclusions

Safety should be considered the number one goal of all personnel involved in oilfield operations, especially well control intervention.

The safety management system setup for a large well control event should consist of three elements:

1. A formal safety group as part of the ICS, likely the SSU department. The size and makeup of the SSU safety group should be adjusted according to the job at hand.
2. A well-written Site Safety Plan.
3. Proper implementation and integration of the safety organization and plan at the emergency site.

Appendix A Line 1 Tactical Response Team Contact Numbers

LINE 1 TACTICAL RESPONSE TEAM CONTACT NUMBERS							
Position	**Name**	**Work Address**	**Office (24 hours)**	**FAX**	**Cell**	**Email**	**Response Time**
On-Scene Commander	Rick Pyles	42722 State Route 7, Hann bal, OH 43831	TBD	TBD	NON-RESPONSIVE	rpy@statoil.com	1.0 Hour
Safety	David Ferguson	42722 State Route 7, Hann bal, OH 43831	TBD	TBD		esc_wv@eatel.net	1.0 Hour
Safety	Jeff Crawford	42722 State Route 7, Hann bal, OH 43831	TBD	TBD		esc_wv@eatel.net	1.0 Hour
Safety	Jeff Bauml	42722 State Route 7, Hann bal, OH 43831	TBD	TBD		jbaum@statoil.com	1.0 Hour
Safety	Nicole Snyder	42722 State Route 7, Hann bal, OH 43831	TBD	TBD		nsny@statoil.com	1.0 Hour
Liaison Officer	Line 2 Houston	2103 CityWest Blvd., Building 4, 8th Floor Houston, Texas 77042	713-918-8200	713-918-8295		-	6.0 Hours
Public Information Officer	Line 2 Houston	2103 CityWest Blvd., Building 4, 8th Floor Houston, Texas 77042	713-918-8200	713-918-8295		-	6.0 Hours
Planning Section Chief	Line 2 Houston	2103 CityWest Blvd., Building 4, 8th Floor Houston, Texas 77042	713-918-8200	713-918-8295		-	6.0 Hours
Operations	Line 2 Houston	2103 CityWest Blvd., Building 4, 8th Floor Houston, Texas 77042	713-918-8200	713-918-8295		-	6.0 Hours
Source Control	Orion Rig 14 – MFO	-	-	-		-	1.0 Hour
	Orion Rig 14 – DSS	-	-	-		uonmarp59@statoil.com	1.0 Hour
	Orion Rig 14 – HSE	-	-	-		-	1.0 Hour
Logistics Section Chief	Line 2 Houston	2103 CityWest Blvd., Building 4, 8th Floor Houston, Texas 77042	713-918-8200	713-918-8295		-	6.0 Hours
Finance Section Chief	Line 2 Houston	2103 CityWest Blvd., Building 4, 8th Floor Houston, Texas 77042	713-918-8200	713-918-8295		-	6.0 Hours
-	After Hour Contact Number on Signs	-	855-750-8024	-		-	-

Appendix A.1 Line 2 IMT Roster and Contact Information

Duty Manager – 713-502-7808 / Assistant Duty Manager – 713-560-6660

Command Staff

Name	Business Area	Office	Mobile	Home	E-mail
Qualified Individual (QI) / Incident Commander (IC)					
Håkon L. Haugland	DPNA UOF OPS	713-485-2511	NON- RESPONSIVE		hha@statoil.com
Peter Stracke	DPNA UOF OPS	713-579-9907			petst@statoil.com
Walter McDougle	DPNA UON EF OPR	713-579-9909			wmcd@statoil.com
Ben Mathis	UON EF D&W	713-485-2437			benmat@statoil.com
Kevin O'Donnell	DPNA UON OS	713-485-2371			keodo@statoil.com
Nicholas Benson	DPNA SSU UOF	713-485-2659			nicben@statoil.com
Christine Healy	VP EXP NA CN	713-485-2031			chhea@statoil.com
Tom Lutz	UON MAR OPR	713-918-8200			tlutz@statoil.com
Andrea Kubik	VP DPNA UON EF	713-485-2852			akub@statoil.com
Safety Officer (SOFR)					
Mark Pierce	DPNA SSU UOF	713-485-2351			mapier@statoil.com
Tim Church	DPNA SSU UOF	713-485-2266			tchu@statoil.com
Derrick Dion	DPNA SSU UOF	713-485-2475			ddio@statoil.com
Don Rankin	DPNA SSU UON	713-485-2346			dran@statoil.com
Randall Pittman	DPNA SSU UON	713-485-2189			rapit@statoil.com
Byron Stark	DPNA SSU UON	713-579-2769			byrs@statoil.com
Craig DeVillier	DPNA SSU UOF	713-485-2186			crad@statoil.com
Steffen Lofnes	DPNA SSU UON	713-918-8200			slof@statoil.com
Gary Aucoin	SSU UON EAF	713-485-2262			gauc@statoil.com
Public Information Officer (PIO)					
Bjorn Otto Sverdrup	VP COMM	713-918-8200			bjosv@statoil.com
Kirsten Henriksen	DPNA COM	713-918-2048			khen@statoil.com
James Schwartz	DPNA COM	713-485-2589			jamsch@statoil.com
Lauren Shane	DPNA COM UON	713-918-8200			laush@statoil.com
Liaison Officer (LNO)					
Thomas G. Becnel	DPNA SSU UOF	713-579-9905			thgb@statoil.com
Heather Powell	EF D&W REG	713-485-2787			hpow@statoil.com
Bekki Winfree	UON MAR D&W	713-485-2640			bekw@statoil.com
Michael Olsen	CCOM PA WAS	202-370-5222			michol@statoil.com
Nate Teti	DPNA COM	713-918-8200			ntet@statoil.com
Foster Wade	EXP NA CN	713-485-2732			fwad@statoil.com
Veronica Roa	VP LAND	713-918-8227			vroa@statoil.com
Doug Bannerman	DPNA SSU	713-918-2627			doban@statoil.com
Legal Officer					
Paul Owen	Legal DPNA	713-579-9908			paow@statoil.com
Mary Lou Fry	Legal DPNA	713-485-2329			mlfr@statoil.com
Thomas Gottsegen	Legal DPNA	713-485-2365			thgo@statoil.com
Traci Guthrie	Legal DPNA	713-918-8200			tgut@statoil.com
Frode Våga	Legal DPNA	713-269-1708			frov@statoil.com
Human Resources Officer					
Shawna Shelor	DPNA PO US	713-485-2187			shks@statoil.com
Sherry Martin	EXP PO	713-485-2097			shem@statoil.com
Crista M. Wilems	DPNA PO US	713-579-9887			crea@statoil.com
Melissa Domec	DPNA PO	713-918-2487			medo@statoil.com
Kimberly Burt	DPNA PO US	832-659-4005			kbur@statoil.com
Christi Bowmer	DPNA PO US	512-427-3314			chbow@statoil.com
Scott Steiger	PO CLP NA	203-978-6992			sps@statoil.com

General Staff

Name	Business Area	Office	Mobile	Home	E-mail
Operations Section Chief (OSC)			NON- RESPONSIVE		
Michael Myers	UOF OPS PRO	713-485-2152			mmye@statoil.com
Ed Amo	EF OPR PRO	713-485-2584			edamo@statoil.com
Jeffrey McCalla	TEX FOT EFUS	713-579-9943			jefm@statoil.com
Christopher Ojiako	UOF FD FAC	713-485-2143			coj@statoil.com
Michael Wilems	DPNA UOF FD	713-584-3474			mwj@statoil.com
Ray Hale	UON EF OPR	713-485-2013			rhal@statoil.com
Source Control Branch Director					
Glen Anthony	UON MAR D&W	713-485-2473			glant@statoil.com
Billy Fenner	UON EF D&W	713-485-2839			bife@statoil.com
Alan He	UOF DW DWE	713-579-9809			axh@statoil.com
Thomas Martin	UOF DW DWE	713-918-8267			thomar@statoil.com
Planning Section Chief (PSC)					
Jeff Brienen	UON OS D&W	713-485-2470			jefbr@statoil.com
David Harold	DPNA UOF FD	713-878-6949			davhar@statoil.com
Stephen Sypult	DPNA SSU SH	713-918-8200			ssyp@statoil.com
Tim Church	DPNA SSU UOF	713-485-2266			tchu@statoil.com
Jonathan Clark	NA RSPA GG	713-577-9883			jocl@statoil.com
Paul Wright	NA P&S DMS	713-918-8279			pwr@statoil.com
Environmental Unit Leader (EUL)					
Don Evans	DPNA SSU UOF	713-485-2203			doev@statoil.com
Joseph Swearman	UON OS D&W	281-794-9285			jsw@statoil.com
GIS Mapping Specialist					
Jonathan Clark	NA RSPA GG	713-577-9883			jocl@statoil.com
Zheng Huang	NA RSPA GG	713-485-2590			zhhu@statoil.com
Situation Unit Leader (SITL)					
Witt I O'Brien's	Houston	985-781-0804			
ES&H I Forefront Emergency Management	Houston	877-427-2634			
Resource Unit Leader (RESL)					
Witt I O'Brien's	Houston	985-781-0804			
ES&H I Forefront Emergency Management	Houston	877-427-2634			
Documentation Unit Leader (DOCL)					
Witt I O'Brien's	Houston	985-781-0804			
ES&H I Forefront Emergency Management	Houston	877-427-2634			
Data Loggers (e.g., EMMA Loggers)					
Debbie Kaufman	EPL LAD DOW	713-485-2241			dliq@statoil.com
Kelly Dishman	EPL LAD DOE	713-485-2610			kdis@statoil.com
Jennifer Edwards	DPNA UOF DW	713-579-9863			jeqi@statoil.com
Amanda Safin	DPNA UOF DW	713-485-2653			amsaf@statoil.com
Jaimie Pulido	NA FM HOU	713-579-9855			jpul@statoil.com
Logistics Section Chief (LSC)					
Michael H. Worsham	UOF OPS LOG	713-579-9900			mwor@statoil.com
John W. Rougeau	UOF OPS LOG	713-485-2733			jrou@statoil.com
Greg Baker	EF OPR PRO	713-579-9903			grba@statoil.com
Derrick Dion	DPNA SSU UOF	713-485-2475			ddio@statoil.com
Don Rankin	DPNA SSU UON	713-485-2346			dran@statoil.com
Logistics Support Personnel					
Duane Guidry	UOF OPS LOG	713-918-2430			dqui@statoil.com
Finance / Administration Section Chief (FSC)					
Anna Sandra Santoro	DPNA FC UOF	832-814-1922			ansan@statoil.com
Duane Guidry	UOF OPS LOG	713-918-2430			dqui@statoil.com
Diane McNulty	AM FCU FS	832-290-9221			dmcn@statoil.com
Claims					
Mark Stacell	FIN INS EI	713-485-2357			mstac@statoil.com

Name	Business Area	Office	Mobile	Home	E-mail
Procurement			NON- RESPONSIVE		
Ashley Roberts	PIN USM ON	713-918-8200			asrob@statoil.com
Line 3 Business Support Team (BST) – Emergency Response					
Jason Nye	DPNA UOF	713-485-2226			janye@statoil.com
Torstein Hole	DPNA UON	713-4852506			tho@statoil.com

Appendix B External Support Services

Well Control Specialists – Wild Well Control (WWCI)

Statoil has a contract in place with Wild Well Control to assist with source control. Certain equipment, materials and/or specialized personnel may be required. The well control specialists can assist with identifying these resources and deciding if they should be mobilized, put on standby or simply located.

Arrangements are in-place for 24-hour mobilization of the firefighting and well control equipment. This includes arrangements for forklifts, cranes, trucks and personnel to load the equipment and initiate the customs and shipment formalities.

Well Control Specialists are activated through the Line 2 IMT; Logistics should contact WWCI directly at **1-281-784-4700** USA (answered 24 hours/day) to initiate mobilization of equipment.

Service	Details	Contact Numbers
Well Control	**Wild Well Control (WWCI)**	**281-784-4700**

Witt I O'Brien's or ES&H I Forefront Emergency Management

Witt I O'Brien's or ES&H I Forefront Emergency Management is activated through the Line 2 IMT. Witt I O'Brien's or ES&H I Forefront Emergency Management may act as the IMT at the discretion of the Statoil QI. The event is evaluated on the scale / complexity and level of response needed to determine if the Incident Management Team (IMT) will be led by Statoil, Witt I O'Brien's, or ES&H I Forefront Emergency Management.

- If the IMT will be led by Statoil, the acting QI assumes the role of Incident Commander.
- If the IMT will be led by Witt I O'Brien's or ES&H I Forefront Emergency Management, Witt I O'Brien's or ES&H I Forefront Emergency Management will assign an Incident Commander to represent Statoil; with consideration of activating equivalent Statoil employees to serve as assistants to each position.

Witt I O'Brien's or ES&H I Forefront Emergency Management can make the required notifications as per the Line 2 Emergency Response Plan.

Service	Details	Contact Numbers
Emergency Response Management	Qualified Individual (QI) / Incident Commander to notify Witt I O'Brien's or ES&H I Forefront Emergency Management for assistance with regulatory notifications, spill response, and resources within the Incident Management Team (IMT).	24-Hour Emergency Assistance
	Witt I O'Brien's	**985-781-0804** Fax – 985-781-0580 http://obriensrm.com/
	ES&H I Forefront Emergency Management	**877-427-2634** Fax – 985-853-1978 www.esandh.com

OSRO's/Waste Disposal – MSA Established

Vendor	OSRO/Waste Disposal	Location	24-Hour Number	Phone Number
Appalachian Oilfield Services	OSRO	Sardis, OH	888-963-0311	740-865-3376
Central Environmental	OSRO	Washington, WV	304-863-8867	304-483-3596
Clean Harbors Environmental	OSRO	Cross Lanes, WV	800-645-8265	304-776-7281
Republic Services – Carbon-Limestone Sanitary Landfill	Waste Disposal	Lowellville, OH	330-536-8013	330-536-8013
Republic Services – Short Creek Landfill	Waste Disposal	Wheeling, WV	304-234-3940	304-234-3940
Veolia ES Special Services	Waste Disposal	Nitro, WV	800-688-4005	304-755-0105

OSRO's/Waste Disposal – Additional Resources

OSRO	OSRO/Waste Disposal	Location	24-Hour Number	Phone Number
All Purpose Environmental Services	OSRO	Massilon, OH	330-844-9187	330-844-9187
DTC Environmental Services	OSRO	Newell, WV	800-324-7464	304-387-3860
Hefner Environmental, LLC	OSRO/Waste Disposal	Weston, WV	800-269-9118	304-269-2313
Miller Environmental	OSRO	Morgantown, WV	888-988-8655	304-292-8655
North American Industrial Services, Inc.	OSRO	Follansbee, WV	800-866-6247	304-527-0055
Reliable Environmental Transport	Waste Disposal	Bridgeport, WV	877-842-5412	304-623-6490
Ryan Environmental	OSRO	Bridgeport, WV	800-649-5578	304-842-5578
W.E.L. Inc.	OSRO	Bluefield, WV	800-847-2455	304-325-9797
Waste Management	Waste Disposal	Bridgeport, WV	800-593-9529	304-842-2784
Weavertown Environmental Group	OSRO	Charleston, WV	800-746-4850	304-346-0160

Agency Notifications

Federal

United States Coast Guard (USCG)

Service	Details	Contact Numbers
National Response Center (NRC)	United States Coast Guard Washington, D.C.	800-424-8802
United States Coast Guard	Section Ohio Valley 600 Martin Luther King Place Room 409-D Louisville, KY 40202	Primary Phone: 502-779-5400 Emergency Response: 800-253-7465

US Environmental Protection Agency (EPA)

Service	Details	Contact Numbers
Region 3 DE, DC, MD, PA, VA, and WV	1650 Arch Street (3PM52) Philadelphia, PA 19103-2029	Main Office: 215-814-5000 Hotline Number: 800-438-2474
Region 5 IL, IN, MI, MN, OH, and WI	77 W. Jackson Boulevard Chicago, IL 60604	Main Office: 312-886-7090 Hotline Number: 800-621-8431

State

Ohio Environmental Protection Agency

Service	Details	Contact Numbers
Ohio Environmental Protection Agency	50 West Town Street, Suite 700 Columbus, OH 43215	614-644-3020 Report a Spill, Release or Environmental Crime 800-282-9378

West Virginia Department of Environmental Protection (WVDEP)

Service	Details	Contact Numbers
Department of Environmental Protection Office of Oil & Gas	601 57th Street SE Charleston, WV 25304	304-926-0499 Discharge Reporting Hotline 800-642-3074

Department of Natural Resources (DNR)

Service	Details	Contact Numbers
Ohio Department of Natural Resources (ODNR)	2045 Morse Road Columbus, OH 43229	614-265-6922
West Virginia Division of Natural Resources (WVDNR)	324 Fourth Avenue Building 74 South Charleston, WV 25303	304-558-2754

Emergency Management Agency

Service	Details	Contact Numbers
Ohio Emergency Management Agency	2855 W. Dublin-Granville Road Columbus, OH 43235	614-889-7150
West Virginia Office of Emergency Services	1900 Kanawha Boulevard, East Building 1, Room EB-80 Charleston, WV 25305	304-558-5380

Public Service Commission of West Virginia

Service	Details	Contact Numbers
Wetzel County Public Service District No. 1	P.O. Box 812 Charleston, WV 25323	**Report 24-Hours Before Flaring** 304-455-6730

Wildlife & Fisheries

Service	Details	Contact Numbers
Ohio Department of Natural Resources	360 E. State Street Athens, OH 45701	740-589-9930 Monroe: 740-589-9989
West Virginia Divison of Natural Resources	324 Fourth Avenue Building 74 South Charleston, WV 25303	304-558-2754

State Police

Service	Details	Contact Numbers
Ohio State Police	P.O. Box 182074 Columbus, OH 43223	877-772-8765
West Virginia State Police	725 Jefferson Road South Charleston, WV 23509	304-746-2100

Fire Marshall

Service	Details	Contact Numbers
Ohio Department of Commerce Division of State Fire Marshall	8895 East Main Street Reynoldsburg, OH 43068	614-728-5460 888-276-0303
West Virginia Fire Commission Office of the State Fire Marshall	1207 Quarrier Street, 2nd Floor Charleston, WV 25301	304-558-2191

Local

Northern Ohio River Industrial Mutual Aid (NORIMAC)

Service	Details	Contact Numbers
Northern Ohio River Industrial Mutual Aid (NORIMAC)	911 to Dispatch Via Radio Communication Depending on Severity of Incident	911

Local Emergency Planning Commission / Sheriff's Office

Ohio Counties		
Adams County	West Union	LEPC Phone: 937-544-2314 Spill Phone: 911 Email: ema1@bright.net Sheriff's Office: 937-544-2314
Allen County	Lima	LEPC Phone: 419-227-3535 Spill Phone: 911 Email: rdecker@allencountyohio.com Sheriff's Office: 419-227-3535
Ashland County	Ashland	LEPC Phone: 419-289-2911 Spill Phone: 911 Email: ashlepc@bright.net Sheriff's Office: 419-289-3911
Ashtabula County	Jefferson	LEPC Phone: 440-576-0055 Spill Phone: 911 Email: ashcoema@suite224.net Sheriff's Office: 440-576-9046
Athens County	Athens	LEPC Phone: 740-592-3274 Spill Phone: 911 Email: acemat@frognet.net Sheriff's Office: 740-592-3264
Auglaize County	Wapakoneta	LEPC Phone: 419-738-9637 Spill Phone: 911 Email: dmallory@bright.net Sheriff's Office: 419-739-6575
Belmont County	Saint Clairsville	LEPC Phone: 740-699-0425 Spill Phone: 911 Email: eoc@1st.net Sheriff's Office: 740-695-7933
Brown County	Georgetown	LEPC Phone: 937-378-4155 Spill Phone: 911 Email: bcema@bright.net Sheriff's Office: 937-378-4435
Butler County	Hamilton	LEPC Phone: 513-785-5810 Spill Phone: 911 Email: turner@butlercountyohio.org Sheriff's Office: 513-785-1000
Carroll County	Carrollton	LEPC Phone: 330-627-2141 Spill Phone: 911 Email: ccemalepc@eohio.net Sheriff's Office: 330-627-2141
Champaign County	Urbana	LEPC Phone: 937-653-2131 Spill Phone: 911 Sheriff's Office: 937-652-1311
Clark County	Springfield	LEPC Phone: 937-324-7615 Spill Phone: 911 Email: rchupp@glosscity.net Sheriff's Office: 937-521-2050
Clermont County	Batavia	LEPC Phone: 513-732-2231 Spill Phone: 911 Email: Sheriff's Office: 513-732-7500

Local Emergency Planning Commission / Sheriff's Office (Continued)

Ohio Counties		
Clinton County	Wilmington	LEPC Phone: 937-382-3543 Spill Phone: 911 Email: ccema@erinet.com Sheriff's Office: 937-382-6150
Columbiana County	Lisbon	LEPC Phone: 330-424-7255 Spill Phone: 911 Sheriff's Office: 330-424-9519
Coshocton County	Coshocton	LEPC Phone: 740-622-2411 Spill Phone: 911 Email: jhonabarger@coshocton.com Sheriff's Office: 740-622-2411
Crawford County	Bucyrus	LEPC Phone: 419-562-7906 Spill Phone: 911 Email: crawcolepc@cybrtown.com Sheriff's Office: 419-562-7906
Cuyahoga County	Cleveland	LEPC Phone: 216-771-1365 Spill Phone: 911 Email: cnmaw@www.cyahoga.oh.us Sheriff's Office: 216-443-6000
Drake County	Greenville	LEPC Phone: 937-548-2020 Spill Phone: 911 Email: darkeema@wesnet.com Sheriff's Office: 937-548-3399
Defiance County	Defiance	LEPC Phone: 419-784-1155 Spill Phone: 911 Email: kbergman@saa.net Sheriff's Office: 419-784-1155
Delaware County	Delaware	LEPC Phone: 740-548-3911 Spill Phone: 911 Email: mcrawford@co.delaware.oh.us Sheriff's Office: 740-833-2800
Erie County	Sandusky	LEPC Phone: 419-627-7668 Spill Phone: 911 Email: erieema@cros.net Sheriff's Office: 419-625-7951
Fairfield County	Lancaster	LEPC Phone: 740-654-5223 Spill Phone: 911 Email: dbolger@greenapple.com Sheriff's Office: 740-652-7900
Fayette County	Washington Court House	LEPC Phone: 740-636-2360 Spill Phone: 911 Email: fayema@fayette-co-oh.com Sheriff's Office: 740-335-6170
Franklin County	Columbus	LEPC Phone: 614-221-9600 Spill Phone: 911 Email: jerryp@cmhhealth.org Sheriff's Office: 614-525-3397
Fulton County	Wauseon	LEPC Phone: 419-335-6856 Spill Phone: 911 Sheriff's Office: 419-335-4010
Gallia County	Gallipolis	LEPC Phone: 740-446-1221 Spill Phone: 911 Email: gclepc@zoomnet.net Sheriff's Office: 740-446-1221
Geauga County	Chardon	LEPC Phone: 440-286-1234 Spill Phone: 911 Email: dwedge@geaugactydes.org Sheriff's Office: 440-564-7131
Greene/Montgomery County	Xenia/Dayton	LEPC Phone: 937-225-4357 Spill Phone: 911 Sheriff's Office: 937-562-4800

Local Emergency Planning Commission / Sheriff's Office (Continued)

Ohio Counties		
Guernsey County	Cambridge	LEPC Phone: 740-439-4455 Spill Phone: 911 Email: clepcema@jadeinc.com Sheriff's Office: 740-439-4455
Geauga County	Chardon	LEPC Phone: 440-286-1234 Spill Phone: 911 Email: dwedge@geaugactydes.org Sheriff's Office: 440-564-7131
Greene/Montgomery County	Xenia/Dayton	LEPC Phone: 937-225-4357 Spill Phone: 911 Sheriff's Office: 937-562-4800
Guernsey County	Cambridge	LEPC Phone: 740-439-4455 Spill Phone: 911 Email: clepcema@jadeinc.com Sheriff's Office: 740-439-4455
Hamilton County	Cincinnati	LEPC Phone: 513-595-8518 Spill Phone: 911 Email: don.maccarone@ema.hamilton-co.org Sheriff's Office: 513-946-6220
Hancock County	Findlay	LEPC Phone: 419-422-2424 Spill Phone: 911 Email: hcema@bright.net Sheriff's Office: 419-424-7097
Hardin County	Kenton	LEPC Phone: 800-443-2394 Spill Phone: 911 Email: ema@dbscorp.net Sheriff's Office: 419-673-1268
Harrison County	Cadiz	LEPC Phone: 740-942-2197 Spill Phone: 911 Email: hcema@1st.net Sheriff's Office: 740-942-2197
Henry County	Napoleon	LEPC Phone: 419-592-8010 Spill Phone: 911 Sheriff's Office: 419-592-8010
Highland County	Hillsboro	LEPC Phone: 937-593-2902 Spill Phone: 911 Email: hcmal@bright.net Sheriff's Office: 937-393-1421
Hocking County	Logan	LEPC Phone: 740-385-1616 Spill Phone: 911 Email: hockingema@hocking.net Sheriff's Office: 740-385-2131
Holmes County	Millersburg	LEPC Phone: 330-674-1936 Spill Phone: 911 Email: hcema@valkyrie.net Sheriff's Office: 330-674-1936
Huron County	Norwalk	LEPC Phone: 419-663-5772 Spill Phone: 911 Email: hcema@accnorwalk.com Sheriff's Office: 419-668-6912
Jackson County	Jackson	LEPC Phone: 740-286-6464 Spill Phone: 911 Email: jclepc@zoomnet.net Sheriff's Office: 740-286-6464
Jefferson County	Steubenville	LEPC Phone: 740-283-8600 Spill Phone: 911 Email: jeflepc@1st.net Sheriff's Office: 740-283-8600
Knox County	Mount Vernon	LEPC Phone: 740-397-3333 Spill Phone: 911 Email: kema@ecr.net Sheriff's Office: 740-397-3333

Local Emergency Planning Commission / Sheriff's Office (Continued)

Ohio Counties		
Lake County	Painesville	LEPC Phone: 440-256-1415 Spill Phone: 911 Email: bobarcher@ncweb.com Sheriff's Office: 440-350-5500
Lawrence County	Ironton	LEPC Phone: 740-533-4375 Spill Phone: 911 Email: mardee@zoomnet.net Sheriff's Office: 740-532-3106
Licking County	Newark	LEPC Phone: 740-345-2345 Spill Phone: 911 Sheriff's Office: 740-670-5500
Logan County	Bellefontaine	LEPC Phone: 937-599-8787 Spill Phone: 911 Email: lcema@bright.net Sheriff's Office: 937-599-3333
Lorain County	Elyria	LEPC Phone: 440-322-5888 Spill Phone: 911 Email: lcema@ohio.net Sheriff's Office: 440-323-1212
Lucas County	Toledo	LEPC Phone: 419-936-3550 Spill Phone: 911 Sheriff's Office: 419-243-5111
Madison County	London	LEPC Phone: 740-852-1212 Spill Phone: 911 Email: Sheriff's Office: 740-852-1212
Mahoning County	Youngstown	LEPC Phone: 330-740-1949 Spill Phone: 911 Sheriff's Office: 330-480-5000
Marion County	Marion	LEPC Phone: 740-382-8244 Spill Phone: 911 Email: disaster@marion.net Sheriff's Office: 740-382-8244
Medina County	Medina	LEPC Phone: 330-725-6631 Spill Phone: 911 Email: buckmcema@aol.com Sheriff's Office: 330-725-0028
Meigs County	Pomeroy	LEPC Phone: 740-992-6617 Spill Phone: 911 Email: mxwma@eurekanet.com Sheriff's Office: 740-992-3371
Mercer County	Celina	LEPC Phone: 419-586-6455 Spill Phone: 911 Email: mercema@bright.net Sheriff's Office: 419-586-5770
Miami County	Troy	LEPC Phone: 937-339-6400 Spill Phone: 911 Sheriff's Office: 937-440-3965
Monroe County	Woodsfield	LEPC Phone: 740-472-1612 Spill Phone: 911 Email: monema@1st.net Sheriff's Office: 740-472-1612
Montgomery/Greene County	Dayton/Xenia	LEPC Phone: 937-225-4357 Spill Phone: 911 Sheriff's Office: 937-225-4357
Morgan County	McConnelsville	LEPC Phone: 740-962-2663 Spill Phone: 911 Email: morganema@go.com Sheriff's Office: 740-962-4044

Local Emergency Planning Commission / Sheriff's Office (Continued)

Ohio Counties		
Morrow County	Mount Gilead	LEPC Phone: 419-946-7055 Spill Phone: 911 Email: Email: mcema@bright.net Sheriff's Office: 419-946-4444
Muskingum County	Zanesville	LEPC Phone: 740-452-3637 Spill Phone: 911 Email: muskingum_ema@yahoo.com Sheriff's Office: 740-455-7134
Noble County	Caldwell	LEPC Phone: 740-732-6022 Spill Phone: 911 Email: nobleema@juno.com Sheriff's Office: 740-732-5631
Ottawa County	Port Clinton	LEPC Phone: 419-734-4404 Spill Phone: 911 Email: ocema@cros.net Sheriff's Office: 419-734-4404
Paulding County	Paulding	LEPC Phone: 419-399-3791 Spill Phone: 911 Email: pauldema@bright.net Sheriff's Office: 419-399-3791
Perry County	New Lexington	LEPC Phone: 740-342-4123 Spill Phone: 911 Email: pclepc@netpluscom.com Sheriff's Office: 740-342-4123
Pickaway County	Circleville	LEPC Phone: 740-477-1165 Spill Phone: 911 Email: kdriesba@bright.net Sheriff's Office: 740-474-2176
Pike County	Waverly	LEPC Phone: 740-947-2111 Spill Phone: 911 Sheriff's Office: 740-947-2111
Portage County	Ravenna	LEPC Phone: 330-297-0222 Spill Phone: 911 Email: pclepc@config.com Sheriff's Office: 330-325-1023
Preble County	Eaton	LEPC Phone: 937-456-6262 Spill Phone: 911 Email: pcema@infinet.com Sheriff's Office: 937-456-6301
Putnam County	Ottawa	LEPC Phone: 419-523-3208 Spill Phone: 911 Email: pcemsema@bright.net Sheriff's Office: 419-523-3208
Richland County	Mansfield	LEPC Phone: 419-774-5686 Spill Phone: 911 Email: richema@kosinet.com Sheriff's Office: 419-774-5881
Ross County	Chillicothe	LEPC Phone: 740-626-7097 Spill Phone: 911 Email: ema2@bright.net Sheriff's Office: 740-773-1185
Sandusky County	Fremont	LEPC Phone: 419-332-2613 Spill Phone: 911 Email: scema@nwonline.net Sheriff's Office: 419-334-6251
Scioto County	Portsmouth	LEPC Phone: 740-354-7566 Spill Phone: 911 Email: scema@zoomnet.net Sheriff's Office: 740-355-8261

Local Emergency Planning Commission / Sheriff's Office (Continued)

Ohio Counties		
Seneca County	Tiffin	LEPC Phone: 419-447-3456 Spill Phone: 911 Sheriff's Office: 419-447-3456
Shelby County	Sidney	LEPC Phone: 937-498-1111 Spill Phone: 911 Email: shcoema@wcoil.com Sheriff's Office: 937-498-1111
Stark County	Canton	LEPC Phone: 330-430-3693 Spill Phone: 911 Sheriff's Office: 330-430-3850
Summit County	Akron	LEPC Phone: 330-643-2522 Spill Phone: 911 Email: apetranic@exec.summitoh.net Sheriff's Office: 330-643-2111
Trumbull County	Warren	LEPC Phone: 330-675-2666 Spill Phone: 911 Email: tcema@co.trumbull.oh.us Sheriff's Office: 330-675-2508
Tuscarawas County	New Philadelphia	LEPC Phone: 330-343-2642 Spill Phone: 911 Email: ema@tusco.net Sheriff's Office: 330-339-7743
Union County	Marysville	LEPC Phone: 937-644-5010 Spill Phone: 911 Sheriff's Office: 937-645-4100
Van Wert County	Van Wert	LEPC Phone: 419-238-2462 Spill Phone: 911 Email: emamccoy@bright.net Sheriff's Office: 419-238-3866
Vinton County	McArthur	LEPC Phone: 740-352-2748 Spill Phone: 911 Email: vintonema@ohiohills.com Sheriff's Office: 740-596-5242
Warren County	Lebanon	LEPC Phone: 513-932-4080 Spill Phone: 911 Email: wcema@co.warren.oh.us Sheriff's Office: 513-695-1280
Washington County	Marietta	LEPC Phone: 740-373-2833 Spill Phone: 911 Email: lepcmarc@wirefire.com Sheriff's Office: 740-376-7070
Wayne County	Wooster	LEPC Phone: 330-287-5700 Spill Phone: 911 Email: wayneema@1st.net Sheriff's Office: 330-287-5750
Williams County	Bryan	LEPC Phone: 419-636-1151 Spill Phone: 911 grobinson@cityofbryan.com Sheriff's Office: 419-636-3151
Wood County	Bowling Green	LEPC Phone: 800-516-0448 Spill Phone: 911 Email: wcema@wcnet.org Sheriff's Office: 419-354-9001
Wynadot County	Sandusky	LEPC Phone: 419-294-2362 Spill Phone: 911 Email: Sheriff's Office: 419-294-1295

Local Emergency Planning Commission / Sheriff's Office

West Virginia Counties		
Barbour County	Philippi	LEPC Phone: 304-457-4339 Spill Phone: 911 Email: barbour@bcnetmail.org Sheriff's Office: 304-457-2352
Berkeley County	Martinsburg	LEPC Phone: 304-264-4467 Spill Phone: 911 Email: bcoes@earthlink.net Sheriff's Office: 304-267-7000
Boone County	Danville	LEPC Phone: 304-369-7273 Spill Phone: 911 Email: glay@boonewv.com Sheriff's Office: 304-369-7340
Braxton County	Frametown	LEPC Phone: 304-765-2851 Spill Phone: 911 Email: joannmcchesney@wvdhhr.org Sheriff's Office: 304-765-5122
Brooke County	N. Cumberland	LEPC Phone: 304-727-5002 Spill Phone: 911 Email: bfowler@mail.wvnet.edu Sheriff's Office: 304-737-3660
Cabell/Wayne Counties	Huntington	LEPC Phone: 304-526-9800 Spill Phone: 911 Email: llake@marathonpetroleum.com Sheriff's Office: 304-743-1594
Calhoun County	Arnoldsburg	LEPC Phone: 304-354-9272 Spill Phone: 911 Email: gwb@citlink.net Sheriff's Office: 304-354-6333
Clay County	Duck	LEPC Phone: 304-587-4560 Spill Phone: 911 Email: pbeets@excite.com Sheriff's Office: 304-587-4260
Doddridge County	West Union	LEPC Phone: 304-782-2124 Spill Phone: 911 Email: kc8hhm@iolinc.net Sheriff's Office: 304-873-1944
Fayette County	Alloy	LEPC Phone: 304-574-1617 Spill Phone: 911 Email: agscgs@hotmail.com Sheriff's Office: 304-574-4216
Gilmer County	Glenville	LEPC Phone: 304-462-7960 Spill Phone: 911 Email: gcoes@rtol.net Sheriff's Office: 304-462-7441
Grant County	Dorcas	LEPC Phone: 304-257-4922 Spill Phone: 911 Email: sandriaglasscock@wvdhhr.com Sheriff's Office: 304-257-1818
Greenbrier County	Lewisburg	LEPC Phone: 304-645-2252 Spill Phone: 911 Email: gcema902@suddenlink.net Sheriff's Office: 304-647-6634
Hampshire County	Romney	LEPC Phone: 304-822-7513 Spill Phone: 911 Email: mikec@hampshireoes.com Sheriff's Office: 302-822-3025
Hancock County	N. Cumberland	LEPC Phone: 304-564-4040 Spill Phone: 911 Email: joj4040@hotmail.com Sheriff's Office: 304-564-4068

Local Emergency Planning Commission / Sheriff's Office (Continued)

West Virginia Counties		
Hardy County	Moorefield	LEPC Phone: 304-530-2560 Spill Phone: 911 Email: wvcsilliman@hardynet.com Sheriff's Office: 304-530-0222
Harrison County	Clarksburg	LEPC Phone: 304-624-9700 Spill Phone: 911 Email: pbump@harrco911.org Sheriff's Office: 304-624-8550
Jackson County	Ripley	LEPC Phone: 304-373-2208 Spill Phone: 911 Email: oes@jacksoncountywv.com Sheriff's Office: 304-373-2290
Jefferson County	Ranson	LEPC Phone: 304-725-6281 Spill Phone: 911 Email: johntmills272@aol.com Sheriff's Office: 304-728-3205
Kanawha/Putnam Counties	S. Charleston	LEPC Phone: 304-414-3600 Spill Phone: 911 Email: kpepc@kpepc.org Sheriff's Office: 304-357-0200
Lewis/Upshur Counties	Buckhannon	LEPC Phone: 304-472-4983 Spill Phone: 911 Email: jfarry@hotmail.com Sheriff's Office: 304-269-8251
Lincoln County	Hamlin	LEPC Phone: 304-824-3443 Spill Phone: 911 Email: allen.holder@e911.org Sheriff's Office: 304-824-7990
Logan County	Logan	LEPC Phone: 304-792-8626 Spill Phone: 911 Email: logancountycommission@yahoo.com Sheriff's Office: 304-792-8590
Marion County	Fairmont	LEPC Phone: 304-366-0196 Spill Phone: 911 Email: cmcintire@marioncountywv.com Sheriff's Office: 304-367-5300
Marshall/Wetzel County	Moundsville	LEPC Phone: 304-843-1130 Spill Phone: 911 Email: michael.r.barrick@wv.gov Sheriff's Office: 304-843-1500
Mason County	Pt. Pleasant	LEPC Phone: 304-675-8241 Spill Phone: 911 Email: rcfaulk@masoncountyoes.com Sheriff's Office: 304-675-3838
McDowell County	Welch	LEPC Phone: 304-448-4106 Spill Phone: 911 Email: jjrose@wvdhhr.org Sheriff's Office: 304-436-8522
Mercer County	Princeton	LEPC Phone: 304-425-4911 Spill Phone: 911 Email: mercer911@citlink.net Sheriff's Office: 304-487-8362
Mineral County	Keyser	LEPC Phone: 304-788-1821 Spill Phone: 911 Email: mbashoor@hardynet.com Sheriff's Office: 304-788-0341
Mingo County	Williamson	LEPC Phone: 304-235-0916 Spill Phone: 911 Email: mingocounty911@yahoo.com Sheriff's Office: 304-235-0300

Local Emergency Planning Commission / Sheriff's Office (Continued)

West Virginia Counties		
Monongalia County	Morgantown	LEPC Phone: 304-284-7480 Spill Phone: 911 Email: cust60@aol.com Sheriff's Office: 304-291-7290
Monroe County	Union	LEPC Phone: 304-772-3911 Spill Phone: 911 Email: jkd3@earthlink.net Sheriff's Office: 304-772-3018
Morgan County	Berkeley Springs	LEPC Phone: 304-258-0327 Spill Phone: 911 Email: morgancountywvoes@verizon.net Sheriff's Office: 304-258-8562
Nicholas County	Summersville	LEPC Phone: 304-872-7892 Spill Phone: 911 Email: hagycd2001@wocema.com Sheriff's Office: 304-872-7880
Ohio County	Wheeling	LEPC Phone: 304-234-3756 Spill Phone: 911 Email: wocema@wocema.com Sheriff's Office: 304-234-3688
Pendleton County	Franklin	LEPC Phone: 304-358-3889 Spill Phone: 911 Email: mullennaxd@yahoo.com Sheriff's Office: 304-567-5100
Pleasants County	St. Marys	LEPC Phone: 304-665-7102 Spill Phone: 911 Email: craig@belmotvfd.com Sheriff's Office: 304-684-2285
Pocahontas County	Marlington	LEPC Phone: 304-799-3985 Spill Phone: 911 Email: melvinmartin@frontiernet.net Sheriff's Office: 304-799-4445
Preston County	Arthurdale	LEPC Phone: 304-329-1855 Spill Phone: 911 Email: mackandina@frontier.net Sheriff's Office: 304-329-1611
Raleigh County	Beaver	LEPC Phone: 304-255-2121 Spill Phone: 911 Email: Sheila.zeto@med.va.gov Sheriff's Office: 304-255-9300
Randolph County	Elkins	LEPC Phone: 304-636-3300 Spill Phone: 911 Email: kb8eir@aim.com Sheriff's Office: 304-636-2100
Ritchie County	Ellenboro	LEPC Phone: 304-869-3231 Spill Phone: 911 Email: bbayless@zoominternet.net Sheriff's Office: 304-643-2262
Roane County	Spencer	LEPC Phone: 304-927-6277 Spill Phone: 911 Email: danobaggins@earthlink.net Sheriff's Office: 304-927-3410
Summers County	Hinton	LEPC Phone: 304-466-7100 Spill Phone: 911 Email: lonmul@verizon.net Sheriff's Office: 304-466-7111
Taylor County	Grafton	LEPC Phone: 304-265-0531 Spill Phone: 911 Email: n3acx@verizon.net Sheriff's Office: 304-265-3428

Local Emergency Planning Commission / Sheriff's Office (Continued)

West Virginia Counties		
Tucker County	Parsons	LEPC Phone: 304-478-3572 Spill Phone: 911 Email: jonathanhicks@wvdhhr.org Sheriff's Office: 304-478-2321
Tyler	Middlebourne	LEPC Phone: 304-652-6932 Spill Phone: 911 Email: patrick.walsh@proviron.com Sheriff's Office: 304-758-4551
Webster County	Webster Springs	LEPC Phone: 304-847-5483 Spill Phone: 911 Email: jasonraschka@wvdhhr.org Sheriff's Office: 304-847-2006
Wetzel/Marshall Counties	New Martinsville	LEPC Phone: 304-558-2191 ext. 53207 Spill Phone: 911 Email: mbarrick@rcvideo.com Sheriff's Office: 304-455-2430
Wirt County	Elizabeth	LEPC Phone: 304-483-8087 Spill Phone: 911 Email: wirtfiredog@hotmail.com Sheriff's Office: 304-275-4222
Wood County	Parkersburg	LEPC Phone: 304-295-6070 Spill Phone: 911 Email: douglashess@clearchannel.com Sheriff's Office: 304-424-1834
Wyoming County	Pineville	LEPC Phone: 304-732-6953 Spill Phone: 911 Email: dean_meadows7@yahoo.com Sheriff's Office: 304-732-8000

Fire Departments

Ohio Counties		
Monroe County	Sardis	911 740-483-1048
	Clarington	911 740-458-1234
West Virginia Counties		
Barbour County	Buckhannon	911 304-472-2868
	Belington	911 304-823-1234
Doddridge County	Wallace	911 304-796-4014
Harrison County	Wallace	911 304-796-4014
	Clarksburg	911 304-624-1646
Marion County	Fairview	911 304-449-1904
Tyler County	Jacksonburg	911 304-889-2400
Wetzel County	Hundred	911 304-775-2384
	Littleton	911 304-889-2442
	New Martinsville	911 304-455-9115

Hospitals

Ohio Counties		
Adams County	West Union	Adams County Regional Medical Center 230 Medical Center Drive Seaman, OH 45679 937-386-3400
Allen County	Lima	Lima Memorial Health System 1001 Bellefontaine Avenue Lima, OH 45804 419-228-3555
Ashland County	Ashland	Samaritan Regional Health System 1025 Center Street Ashland, OH 44805 419-289-0491
Ashtabula County	Jefferson	Ashtabula County Medical Center 2420 Lake Avenue Ashtabula, OH 44004 440-997-2262
Athens County	Athens	O'bleness Memorial Hospital 55 Hospital Drive Athens, OH 45701 740-593-5551
Auglaize County	Wapakoneta	Grand Lake Health System 200 St. Clair Street St. Marys, OH 45885 419-394-3335
Belmont County	Saint Clairsville	Barnesville Hospital 639 W. Main Street Barnesville, OH 43713 740-425-3941
Brown County	Georgetown	Southwest Regional Medical Center 425 Home Street Georgetown, OH 45121 937-378-7500
Butler County	Hamilton	Bethesda Butler County Hospital 3125 Hamilton-Mason Road Hamilton, OH 45011 513-894-8888
Carroll County	Carrollton	Mercy Medical Center 1320 Mercy Drive Northwest Canton, OH 44708 330-489-1000
Champaign County	Urbana	Mercy Memorial Hospital 904 Scioto Street Urbana, OH 43078 937-653-5231
Clark County	Springfield	Springfield Regional Medical Center 100 Medical Center Drive Springfield, OH 45504 937-523-1000
Clermont County	Batavia	Mercy Hospital Clermont 3000 Hospital Drive Batavia, OH 45103 513-732-8200
Clinton County	Wilmington	Clinton Memorial Hospital 610 W. Main Street Wilmington, OH 45177 937-382-6611
Columbiana County	Lisbon	Salem Community Hospital 1995 East State Street Salem, OH 44460 330-332-1551

Hospitals (Continued)

Ohio Counties		
Coshocton County	Coshocton	Coshocton County Memorial Hospital 1460 Orange Street Coshocton, OH 43812 740-622-6411
Crawford County	Bucyrus	Galion Community Hospital 269 Portland Way South Galion, OH 44833 419-468-4841
Cuyahoga County	Cleveland	University Hospital Case Medical Center 11100 Euclid Avenue Cleveland, OH 44106 216-844-1000
Drake County	Greenville	Wayne Hospital 835 Sweitzer Street Greenville, OH 45331 937-548-1141
Defiance County	Defiance	Defiance Regional Hospital 1200 Ralston Avenue Defiance, OH 43512 419-783-6955
Delaware County	Delaware	Grady Memorial Hospital 561 W. Central Avenue Delaware, OH 43015 740-615-1000
Erie County	Sandusky	Firelands Regional Medical Center 1111 Hayes Avenue Sandusky, OH 44870 419-557-7400
Fairfield County	Lancaster	Fairfield Medical Center 401 North Ewing Street Lancaster, OH 43130 740-687-8000
Fayette County	Washington Court House	Fayette County Memorial Hospital 1430 Columbus Avenue Washington Court House, OH 43160 740-335-1210
Franklin County	Columbus	Grant Medical Center 111 South Grant Avenue Columbus, OH 43215 614-566-9000
Fulton County	Wauseon	Fulton County Health Center 725 South Shoop Avenue Wauseon, OH 43567 419-335-2015
Gallia County	Gallipolis	Holzer Health Systems 100 Jackson Pike Gallipolis, OH 45631 740-446-5000
Geauga County	Chardon	UH-Geauga Medical Center 13207 Ravenna Road Chardon, OH 44024 440-285-6261
Greene/Montgomery County	Xenia/Dayton	Greene Memorial Hospital 1141 North Monroe Drive Xenia, OH 45385 937-352-2000
Guernsey County	Cambridge	Southeastern Ohio Regional Medical Center 1341 Clark Street Cambridge, OH 43725 740-439-8000

Hospitals (Continued)

Ohio Counties		
Hamilton County	Cincinnati	Bethesda North Hospital 10500 Montgomery Road Cincinnati, OH 45242 513-865-1111
Hancock County	Findlay	Blanchard Valley Hospital 1900 S. Main Street Findlay, OH 45840 419-423-4500
Hardin County	Kenton	Hardin Memorial Hospital 921 East Franklin Street Kenton, OH 43326 419-673-0761
Harrison County	Cadiz	Harrison Community Hospital 951 East Market Street Cadiz, OH 43907 740-942-4631
Henry County	Napoleon	Henry County Hospital 1600 East Riverview Avenue Napoleon, OH 43545 419-592-4015
Highland County	Hillsboro	Highland District Hospital 1275 North High Street Hillsboro, OH 45133 937-393-6100
Hocking County	Logan	Hocking Valley Community Hospital 601 Ohio 664 Logan, OH 43138 740-380-8000
Holmes County	Millersburg	Joel Pomerene Memorial Hospital 981 Wooster Road Millersburg, OH 44654 330-674-1015
Huron County	Norwalk	Firelands Regional Medical Center 1111 Hayes Avenue Sandusky, OH 44870 419-557-7400
Jackson County	Jackson	Holzer Health Systems 100 Jackson Pike Gallipolis, OH 45631 740-446-5000
Jefferson County	Steubenville	Trinity Health System 4000 Johnson Road Steubenville, OH 43952 740-264-8000
Knox County	Mount Vernon	Knox Community Hospital 1330 Coshocton Avenue Mount Vernon, OH 43050 740-393-9000
Lake County	Painesville	Lake West Medical Center 36000 Euclid Avenue #1 Willoughby, OH 44094 440-953-9600
Lawrence County	Ironton	Our Lady of Bellefonte Hospital 1000 Saint Christopher Drive Ashland, KY 41101 606-833-3333
Licking County	Newark	Licking Memorial Hospital 1320 West Main Street Newark, OH 43055 740-348-4000

Hospitals (Continued)

Ohio Counties		
Logan County	Bellefontaine	Mary Rutan Hospital 205 East Palmer Road Bellefontaine, OH 43311 937-592-4015
Lorain County	Elyria	Mercy Regional Medical Center 3700 Kolbe Road Lorain, OH 44053 440-960-4000
Lucas County	Toledo	ProMedica Toledo Hospital 2142 North Cove Boulevard Toledo, OH 43606 419-291-4000
Madison County	London	Madison County Hospital 210 North Main Street London, OH 43140 866-357-4677
Mahoning County	Youngstown	Forum Health Northside Medical Center 500 Gypsy Lane Youngstown, OH 44501 330-884-1000
Marion County	Marion	Marion General Hospital 1000 McKinley Park Drive Marion, OH 43302 740-383-8400
Medina County	Medina	Medina General Hospital 1000 East Washington Street Medina, OH 44256 866-721-5350
Meigs County	Pomeroy	O'Bleness Memorial Hospital 55 Hospital Drive Athens, OH 45701 740-593-5551
Mercer County	Celina	Mercer County Community Hospital 800 West Main Street Coldwater, OH 45828 419-678-2341
Miami County	Troy	Upper Valley Medical Center 3130 N. County Road 25-A Troy, OH 45373 937-440-4000
Monroe County	Woodsfield	Wetzel County Hospital 700 Kevin Drive New Martinsville, WV 26155 304-455-5545
Montgomery/Greene County	Dayton/Xenia	Miami Valley Hospital 1 Wyoming Street Dayton, OH 45409 937-208-8000
Morgan County	McConnelsville	Marietta Memorial Hospital 401 Matthew Street Marietta, OH 45750 740-374-1400
Morrow County	Mount Gilead	Morrow County Hospital 651 West Marion Street Mount Gilead, OH 43338 419-946-5015
Muskingum County	Zanesville	Genesis-Bethesda Hospital 2951 Maple Avenue Zanesville, OH 43701 740-454-4000

Hospitals (Continued)

Ohio Counties		
Noble County	Caldwell	Marietta Memorial Hospital 401 Matthew Street Marietta, OH 45750 740-374-1400
Ottawa County	Port Clinton	Magruder Memorial Hospital 615 Fulton Street Port Clinton, OH 43452 419-734-3131
Paulding County	Paulding	Paulding County Hospital 1035 West Wayne Street Paulding, OH 45879 419-399-4080
Perry County	New Lexington	Hocking Valley Community Hospital 601 Ohio 664 Logan, OH 43138 740-380-8000
Pickaway County	Circleville	Berger Health System 600 North Pickaway Street Circleville, OH 43113 740-474-2126
Pike County	Waverly	Pike Community Hospital 100 Township Road 481 Waverly City, OH 45690 740-947-2186
Portage County	Ravenna	Robinson Memorial Hospital 6847 North Chestnut Street Ravenna, OH 44266 330-297-0811
Preble County	Eaton	Trinity Health System 4000 Johnson Road Steubenville, OH 43952 740-264-8000
Putnam County	Ottawa	Lima Memorial Health System 1001 Bellefontaine Avenue Lima, OH 45804 419-228-3335
Richland County	Mansfield	Mansfield Hospital 335 Glessner Avenue Mansfield, OH 44903 419-526-8000
Ross County	Chillicothe	Adena Medical Center 272 Hospital Road Chillicothe, OH 45601 740-779-7500
Sandusky County	Fremont	Memorial Hospital 715 South Taft Avenue Fremont, OH 43420 419-332-7321
Scioto County	Portsmouth	Southern Ohio Medical Center 1805 27th Street Portsmouth, OH 45662 740-356-5000
Seneca County	Tiffin	Mercy Tiffin Hospital 45 Saint Lawrence Drive Tiffin, OH 44883 419-455-7000
Shelby County	Sidney	Wilson Memorial Hospital 915 W. Michigan Street Sidney, OH 45365 937-498-2311

Hospitals (Continued)

Ohio Counties		
Stark County	Canton	Mercy Medical Center 1320 Mercy Drive Northwest Canton, OH 44708 330-489-1000
Summit County	Akron	Akron General Medical Center 400 Wabash Avenue Akron, OH 44307 330-344-6000
Trumbull County	Warren	Trumbull Memorial Hospital 1350 East Market Street Warren, OH 44482 330-841-9011
Tuscarawas County	New Philadelphia	Union Hospital 659 Boulevard Street Dover, OH 44622 330-343-3311
Union County	Marysville	Memorial Hospital Union County 500 London Avenue Marysville, OH 43040 937-644-6901
Van Wert County	Van Wert	Van Wert County Hospital 1250 South Washington Street Van Wert, OH 45891 419-238-2390
Vinton County	McArthur	Holzer Health Systems 100 Jackson Pike Gallipolis, OH 45631 740-446-5000
Warren County	Lebanon	Bethesda Arrow Springs – TriHealth 100 Arrow Springs Boulevard Lebanon, OH 45036 513-282-7000
Washington County	Marietta	Marietta Memorial Hospital 401 Matthew Street Marietta, OH 45750 740-374-1400
Wayne County	Wooster	Wooster Community Hospital 1761 Beall Avenue Wooster, OH 44691 330-263-8100
Williams County	Bryan	Community Hospitals and Wellness Centers 433 West High Street Bryan, OH 43506 419-636-1131
Wood County	Bowling Green	Wood County Hospital 950 W. Wooster Street Bowling Green, OH 43402 419-354-8957
Wynadot County	Sandusky	Wyandot Memorial Hospital 885 North Sandusky Avenue Upper Sandusky, OH 43351 419-294-4991

West Virginia Counties		
Barbour County	Philippi	Broaddus Hospital 1 Healthcare Drive Philippi, WV 26416 304-457-1760

Hospitals (Continued)

West Virginia Counties		
Berkeley County	Martinsburg	City Hospital WVUH-East 2500 Hospital Drive Martinsburg, WV 25401 304-264-1000
Boone County	Danville	Boone Memorial Hospital 701 Madison Avenue Madison, WV 25130 304-369-1230
Braxton County	Frametown	Braxton County Memorial Hospital 100 Hoylman Drive Gassaway, WV 26624 304-364-5156
Brooke County	N. Cumberland	Trinity Health System 4000 Johnson Road Steubenville, OH 43952 740-264-8000
Cabell/Wayne	Huntington	Cabell Huntington Hospital 1340 Hal Greer Boulevard Huntington, WV 25701 304-526-2000
Calhoun County	Arnoldsburg	Roane General Hospital 200 Hospital Drive Spencer, WV 25276 304-927-4444
Clay County	Duck	Saint Francis Hospital 333 Laidley Street Charleston, WV 25322 304-347-6500
Doddridge County	West Union	Stonewall Jackson Memorial Hospital 230 Hospital Plaza Weston, WV 26452 304-269-8090
Fayette County	Alloy	Montgomery General Hospital 401 6th Avenue Montgomery, WV 25136 304-442-5151
Gilmer County	Glenville	Stonewall Jackson Memorial Hospital 230 Hospital Plaza Weston, WV 26452 304-269-8090
Grant County	Dorcas	Grant Memorial Hospital 1 Memorial Drive Petersburg, WV 26847 304-257-1026
Greenbrier County	Lewisburg	Greenbrier Valley Medical Center 202 Maplewood Avenue Ronceverte, WV 24970 304-647-4411
Hampshire County	Romney	Hampshire Memorial Hospital 363 Sunrise Boulevard Romney, WV 26757 304-822-4561
Hancock County	New Cumberland	Weirton Medical Center 601 Colliers Way Weirton, WV 26062 304-797-6000
Hardy County	Moorefield	Grant Memorial Hospital 1 Memorial Drive Petersburg, WV 26847 304-257-1026

Hospitals (Continued)

West Virginia Counties		
Harrison County	Clarksburg	United Hospital Center 327 Medical Park Drive Bridgeport, WV 26339 681-342-1000
Jackson County	Ripley	Jackson General Hospital 122 Pinnell Street Ripley, WV 25271 304-372-2731
Jefferson County	Ranson	Jefferson Memorial Hospital 300 South Preston Street Ranson, WV 25438 304-728-1600
Kanawha/Putnam County	S. Charleston	Saint Francis Hospital 333 Laidley Street Charleston, WV 25322 304-347-6500
Lewis/Upshur County	Buckhannon	Stonewall Jackson Memorial Hospital 230 Hospital Plaza Weston, WV 26452 304-269-8090
Lincoln County	Hamlin	Cabell Huntington Hospital 1340 Hal Greer Boulevard Huntington, WV 25701 304-526-2000
Logan County	Logan	Logan Regional Medical Center 20 Hospital Drive Logan, WV 25601 304-831-1101
Marion County	Fairmont	Fairmont General Hospital 1325 Locust Avenue Fairmont, WV 26554 304-367-7100
Marshall County	Moundsville	Ohio Valley Medical Center 2000 Eoff Street Wheeling, WV 26003 304-234-0123
Mason County	Pt. Pleasant	Pleasant Valley Hospital 2520 Valley Drive Point Pleasant, WV 25550 304-675-4340
McDowell County	Welch	Welch Emergency Hospital 454 McDowell Street Welch, WV 24801 304-348-3469
Mercer County	Princeton	Princeton Community Hospital 122 Twelfth Street Princeton, WV 24740 304-487-7000
Mineral County	Keyser	Potomac Valley Hospital 100 Pin Oak Lane Keyser, WV 26726 304-597-3500
Mingo County	Williamson	Williamson Memorial Hospital 859 Alderson Street Williamson, WV 25661 304-235-2500
Monongalia County	Morgantown	Ruby Memorial Hospital 1 Medical Center Drive Morgantown, WV 26506 304-598-4000

Hospitals (Continued)

West Virginia Counties		
Monroe County	Union	Greenbrier Valley Medical Center 202 Maplewood Avenue Lewisburg, WV 24901 304-647-1148
Morgan County	Berkeley Springs	City Hospital WVUH-East 2500 Hospital Drive Martinsburg, WV 25401 304-264-1000
Nicholas County	Summersville	Summersville Memorial Hospital 400 Fairview Heights Road Summersville, WV 26651 304-872-2891
Ohio County	Wheeling	Wheeling Hospital 1 Medical Park Wheeling, WV 26003 304-243-3000
Pendleton County	Franklin	Grant Memorial Hospital 1 Memorial Drive Petersburg, WV 26847 304-257-1026
Pleasants County	St. Marys	Marietta Memorial Hospital 401 Matthew Street Marietta, OH 45750 740-374-1400
Pocahontas County	Marlinton	Summersville Memorial Hospital 400 Fairview Heights Road Summersville, WV 26651 304-872-2891
Preston County	Arthurdale	Preston Memorial Hospital 300 South Price Street Kingwood, WV 26537 304-329-1400
Raleigh County	Beaver	Raleigh General Hospital 1710 Harper Road Beckley, WV 25801 304-256-4100
Randolph County	Elkins	Davis Memorial Hospital 812 Gorman Avenue Elkins, WV 26241 304-636-3300
Ritchie County	Ellenboro	St. Joseph's Hospital 1824 Murdoch Avenue Parkersburg, WV 26101 304-424-4111
Roane County	Spencer	Roane General Hospital 200 Hospital Drive Spencer, WV 25276 304-927-4444
Summers County	Hinton	Appalachian Regional Healthcare 1500 Terrace Street Hinton, WV 25951 304-466-1000
Taylor County	Grafton	United Hospital Center 327 Medical Park Drive Bridgeport, WV 26339 681-342-1000
Tucker County	Parsons	Davis Memorial Hospital 812 Gorman Avenue Elkins, WV 26241 304-636-3300

Hospitals (Continued)

West Virginia Counties		
Tyler	Middlebourne	Wetzel County Hospital 700 Kevin Drive New Martinsville, WV 26155 304-455-5545
Webster County	Webster Springs	Summersville Memorial Hospital 400 Fairview Heights Road Summersville, WV 26651 304-872-2891
Wetzel County	New Martinsville	Wetzel County Hospital 700 Kevin Drive New Martinsville, WV 26155 304-455-5545
Wirt County	Elizabeth	St. Joseph's Hospital 1824 Murdoch Avenue Parkersburg, WV 26101 304-424-4111
Wood County	Parkersburg	St. Joseph's Hospital 1824 Murdoch Avenue Parkersburg, WV 26101 304-424-4111
Wyoming County	Pineville	Raleigh General Hospital 1710 Harper Road Beckley, WV 25801 304-256-4100

Appendix C Data Acquisition / Forms

Information is essential to facilitate proper analysis and planning, of a blowout intervention project. Certain data needs to be quickly gathered and documented. Recommendations are included for the information to be gathered both at the well site and from office records.
This can usually be divided into four (4) separate functions:

- Initial Data Worksheet (Field)
- Site Safety Plan (Field)
- Office Archived Data (Office)
- Collection of Incident Documentation

The following sections are to serve as guidelines for gathering and documenting the necessary information.

For a complete set of ICS forms, refer to DPNA US WR1405.

Initial Data Worksheet			
Date:		Time:	
Caller:		Phone Number:	
Well Name / Location:		Lease:	
Classification: Minor □ Serious □ Major □			
Operation at the time of the Incident:			
Operator Information			
Company Man on Site:		Cellular:	
Site Phone:		Site Fax:	
Field Supervisor:		Cellular:	
Contractor / Rig Information			
Contractor:	Phone:	Fax:	
Rig Manager:	Phone:	Fax:	
Rig Number:	Rig Phone:	Rig Fax:	
Response at Well site			
Personnel accounted for Yes □ No □		Containment Measures set up: Yes □ No □	
Location Secured Yes □ No □		Prevention / Containment of Fire Yes □ No □	
Are there any Injuries Yes □ No □		Eliminate Potential Ignition Sources Yes □ No □	
Type of Injury: Identify_____			
Well Information			
Type of well: Exploratory □ Development □ Producing □ Other □			
Current Well Status: Improving □ Deteriorating □ Static □			
Surface Equipment Damage: Yes □ No □ Component: Rig □ BOPE □ Wellhead □			
Access to the Wellhead: Yes □ No □ Debris on Wellhead: Yes □ No □			
Nearest Town / City: _____ Current Weather _____ Wind Direction / Speed: _____			
Environmental Concerns:			

Well Condition					
Pressures: SICP_____ SIDPP_____ MAASP_____					
Mud Weight: _____ Kick Volume:_____					
Ongoing Release: Yes ☐ No ☐	Type: Gas ☐ Oil ☐ Water ☐ Abrasive ☐ Other ☐				
Source of Flow: Casing ☐ Drill Pipe ☐ Tubing ☐ BOPE ☐ Wellhead ☐ Other ☐					
Surface Broached Yes ☐ No ☐	Distance from wellhead:				
H2S Present: Yes ☐ No ☐ ppm:	Well on Fire: Yes ☐ No ☐				
Maximum Flow potential: _____mmscf/d _____bo/d _____bw/d ☐ Unknown					
Well Bore Data					
	SC	**IC**	**PC**	**Pliner**	**Tbg/DP**
Size (in)					
Weight (lbs/ft)					
Grade					
Setting Depth(ft)					
Drill Collars: OD (in) _____ ID (in)_____ Length (ft)_____ Spiral ☐ Slick ☐					
Perforations (depth): 1. _____ 2. _____ 3. _____					
Total Measured Depth: _____ Total Vertical Depth: _____ Open Hole Depth: _____					
Vertical Hole ☐ Deviated Hole ☐ Max Deviation (Degree/100 ft.): _____					
Well Bore Fluid Type: Wt. (ppg) :_____					
Surface Equipment					
BOPE	**Model**	**Size (in)**	**WP (psi)**	**Position**	
Annular				Open ☐ Closed ☐ Locked ☐	
Pipe Ram				Open ☐ Closed ☐ Locked ☐	
Blind Ram				Open ☐ Closed ☐ Locked ☐	
Shear Ram				Open ☐ Closed ☐ Locked ☐	
Pipe Ram				Open ☐ Closed ☐ Locked ☐	
Wellhead					
Wellhead/conductor pipe vertical Yes ☐ No ☐ Structurally competent Yes ☐ No ☐					
BOPE in use at the time of Incident:					
BOPE/Wellhead Configuration: Include valves and choke manifold (Attach e-mail or Fax separate drawing if possible)					
Wellbore Schematic – Include barriers (Attach e-mail or fax separate drawing if possible)					

Worksheet Completed by: _____ Date _____ Time _____

Date: _____ NRC Incident No. # _____

Incident Name:_____ Rev. # _____

ICS 208 - SITE SAFETY PLAN

I. General Information ☐ Onshore ☐ Offshore
☐ Spill on Land ☐ Spill on Water ☐ Release to Air ☐ Fire/Explosion ☐ Injuries ☐ Security ☐ Planned Event
☐ Drill/Exercise ☐ Other: _____

Facility:	Location:
Address:	Latitude/Longitude:
Affected Area:	Terrain:
Surrounding Population:	Distance to Nearest Population:
Response Objectives:	
On-Site Work Plans:	
Operational Period – Date:	Time: to

***NOTE: Report all injuries and incidents immediately to Site Safety Officer (radio channel/frequency/phone)**

Key Personnel:
Incident Commander _____ Safety Officer _____
Health and Safety Unit Leader _____ Site Safety Officer _____
On-Scene Commander_____

II. Weather

Skies:	Wind Speed:	Water Temperature:
Air Temperature:	Wind Direction:	Water Current:
Humidity:	Tide:	Current Direction:
% Precipitation:	Seas:	Other:
Snow Depth:	Icy Conditions (Yes/No)	Other:

III. Potential Hazards (Yes or No)

Y	N		Y	N		Y	N	
☐	☐	Oxygen Deficient/Enriched	☐	☐	Hot Work	☐	☐	Temperature Extremes
☐	☐	Flammable Atmosphere	☐	☐	Excavations	☐	☐	Electricity
☐	☐	Toxic Atmosphere: _____	☐	☐	Traffic	☐	☐	Plant/Wildlife
☐	☐	Boat Operations	☐	☐	Working at Elevation	☐	☐	Ignition Sources _____
☐	☐	Confined Space Entry	☐	☐	Cranes/Lifting	☐	☐	Other _____

Potential Chemical Exposures

Name	Anticipated Concentration	Full-Shift Exposure Limit	Short-Term Exposure Limit

IV. Control Measures
Isolation & Lockout (Identify items to be locked out): _____
Decon: _____
Ventilation: ☐ Natural ☐ Mechanical Continuous: ☐ No ☐ Yes
Flagman/Watchman: _____ Security: _____
Buddy System: _____ Other: _____

V. Required PPE

General
☐ Hard Hat
☐ Safety Harness
☐ PFD

Eye Protection
☐ Safety Glasses
☐ Goggles
☐ Face Shield
☐ Tinted Lens

Respiratory Protection
☐ SCBA
☐ Air Line w/escape
☐ Air Line
☐ Air Purifying (Full Mask)

Cartridge Type:
☐ OV ☐ Hepa-OVV

Gloves
☐ Leather
☐ Rubber
☐ Nitrile
☐ PVC
☐ Other

Footwear
☐ Steel Toe
☐ Rubber
☐ Hip Boots
☐ Chemical Resistant
☐ Other

Clothing
☐ FRC
☐ Chemical Resistant
☐ Totally Encapsulated

Hearing Protection
☐ Ear Plugs
☐ Ear Muffs
☐ Double

Hazwoper PPE:
☐ Level A: To be selected when the greatest level of skin, respiratory and eye protection is required.
☐ Level B: The highest level of respiratory protection is necessary but a lesser level of skin protection is needed.
☐ Level C: The concentration(s) and type(s) of airborne substance(s) are known and the criteria for using air purifying respirators are met.
☐ Level D: A work uniform affording minimal protection, used for nuisance contamination only.
☐ Any Other:
_____

VI. Site Resources / Emergency Communication

	Yes / No	Comments
Telephone		
Radio		
Electricity		
Illumination		
Sanitation		
Water Supply		
On-Site Medical		
Other		
Other		
Other		
Other		

Safety and Rescue Equipment Required on Site:

	Yes / No	Comments
Lights		
Fall Protection		
First Aid Kit		
Drinking Water		
Fire Extinguisher		
Tripod		
Ladder		
Retrieval Lines		
Defibrillator		
Other		
Other		
Other		
Other		

Emergency Communication Methods:

	Yes / No	Comments
Radio		
Horn Blast		
Page Hand Signals		
Other		
Other		
Other		
Other		

VII. Offsite Emergency Information and Rescue Services (Name and Contact By)

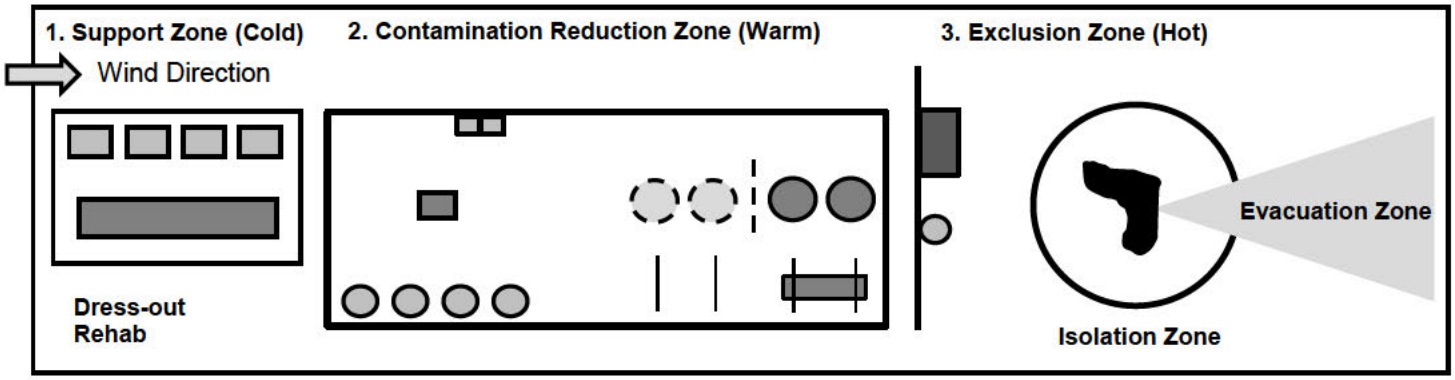
Emergency Contact Person:	_____	Contact by:	_____
Fire Department:	_____	Contact by:	_____
Fire Department:	_____	Contact by:	_____
Fire Department:	_____	Contact by:	_____
Ambulance:	_____	Contact by:	_____
Ambulance:	_____	Contact by:	_____
Hospital:	_____	Contact by:	_____
Other Rescue Service:	_____	Contact by:	_____

VIII. Government Agencies (check applicable agencies and list phone numbers (or blank for #))

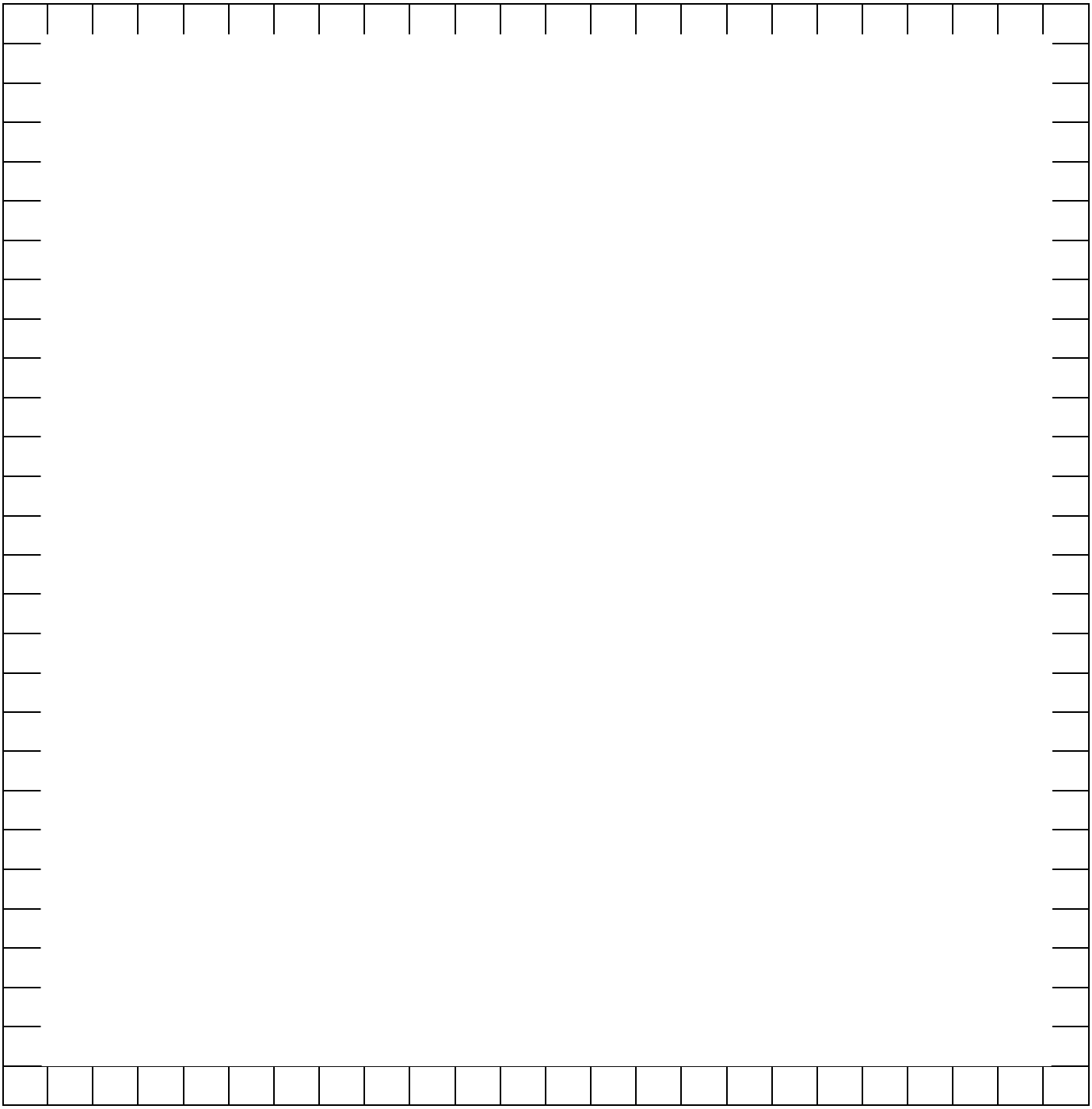
☐	National Response Center (NRC)	(800) 424-8802
☐	Chemical Transportation Emergency Center (CHEMTREC)	(800) 424-9300
☐	United States Coast Guard	_____
☐	Bureau of Safety and Environmental Enforcement (BSEE)	_____
☐	Environmental Protection Agency (EPA)	_____
☐	Occupational Safety and Health Administration (OSHA)	(800) 321-6742
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____
☐	State/Local Agency: _____	_____

****Note: For State/Local Agency contact numbers, refer to DPNA US ERP (WR1405, Appendix C)**

IX. Example Decontamination Zone Diagram (If applicable, draw actual diagram in Section X.)



X. Work Area Diagram



Please include the following:

- ☐ Site Sketch
- ☐ North Arrow
- ☐ Wind Arrow
- ☐ State, County, City
- ☐ Road Names
- ☐ Isolation Zone
- ☐ Evacuation Zone
- ☐ Exclusion Zone (Hot)
- ☐ Contamination Reduction Zone (Warm)
- ☐ Support Zone (Cold)

XI. Testing and Monitoring of Hazardous Areas

Y	N		Continuous	Frequency
☐	☐	Oxygen Level	☐ Y ☐ N	___ every ___
☐	☐	LEL	☐ Y ☐ N	___ every ___
☐	☐	Hydrogen Sulfide	☐ Y ☐ N	___ every ___
☐	☐	Benzene	☐ Y ☐ N	___ every ___
☐	☐	VOC: _____	☐ Y ☐ N	___ every ___
☐	☐	Other: _____	☐ Y ☐ N	___ every ___
☐	☐	Other: _____	☐ Y ☐ N	___ every ___
☐	☐	Other: _____	☐ Y ☐ N	___ every ___
☐	☐	Other: _____	☐ Y ☐ N	___ every ___

ACCEPTABLE WORK CONDITIONS

Safe limits no additional controls necessary

O2	19.5 – 23.5% in air*
LEL	0% in air
H_2S	0 ppm
Benz	< 1 ppm

		Areas Monitored			
Monitoring Results		**1**	**2**	**3**	**4**
Oxygen	Time				
	Level				
	By				
LEL	Time				
	Level				
	By				
Hydrogen Sulfide	Time				
	Level				
	By				
Benzene	Time				
	Level				
	By				
VOC	Time				
	Level				
	By				
	Time				
	Level				
	By				
	Time				
	Level				
	By				
	Time				
	Level				
	By				
	Time				
	Level				
	By				

Equipment: Type: _____ Manufacturer: _____
Calibration/Expiration:_____
Equipment: Type: _____ Manufacturer: _____
Calibration/Expiration:_____

XII. Comments or Special Work Procedures:

_____
_____
_____
_____
_____
_____

XIII. Crew Signatures from Specific Location:

Print Name	Signature	Time In	Time Out	Reviewed SSP	
				☐ Yes	*Initial:*
				☐ Yes	*Initial:*
				☐ Yes	*Initial:*
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				☐ Yes	*Initial:*

XIV. Training Certification

The Site Safety Officer will ensure that all employees have the appropriate training/certification as per 29 CFR 1910.1200 (HAZCOM).

XV. Attachments

Attach additional information including: Safety data sheets, Contractor Site Safety Plans, etc.

XVI. Authorization

Prepared By: Name	**Date:**	**Role:**
Approved By: Name	**Date:**	**Role:**

INCIDENT NOTIFICATION FORM

☐ DRILL ☐ ACTUAL INCIDENT Form Prepared By:_____		
RESPONSIBLE PARTY	**Reporting Party:**	**Suspected Responsible Party:**
	Name:	Name:
	Telephone #:	Telephone #:
	Company:	Company:
	Position:	Position:
	Address:	Address:
	City:	City:
	State:	State:
	Zip:	Zip:
*******It is not necessary to wait for all information before calling NRC***** National Response Center: 1-800-424-8802**		
INCIDENT DESCRIPTION	Date/Time Incident occurred:	
	Date/Time Incident reported to Statoil Duty Manager (IC/QI):	
	Source Secure at (time); or	
	Source of Release:	Source of Release:
	Incident Description:	
INCIDENT LOCATION	Incident address/location:	
	Nearest City:	Distance to Nearest City:
	Facility Name:	Facility ID #:
	Pipeline Segment #:	Tank Storage Capacity:
	Latitude:	Longitude:
	County:	River Mile Marker:
MATERIALS RELEASED		
	Released Quantity:	Unit of Measure: BBLS / GAL / LITERS
	Released Product:	
	Sheen Color:	Sheen Size:
RESPONSE ACTIONS	Actions taken to correct/mitigate incident:	
IMPACT INFORMATION	**Number of Injuries:**	**Number of Fatalities:**
	Were there Evacuations?	**Number of Evacuations:**
	Was there Damage?	**Damage estimate in Dollars:**
WEATHER CONDITIONS	**Temperature:**	**Wind Speed & Direction:**
	% Cloud Cover:	**Rain: Y / N If yes, what %:**

ADDITIONAL INFORMATION & VERBAL NOTIFICATIONS	Any additional information about the incident not recorded elsewhere in this report:

COMPANY INTERNAL NOTIFICATIONS

Reported By	Reported to (Name)	Reported to Position	Time	Date

NOTIFICATIONS TO AGENCIES

Reported by	Reported to (Name)	AGENCY	INCIDENT REPORT NUMBER	TIME	DATE

Appendix D Well / Facility Information

Ohio								
Owner/ Operator	Well #	API No.	Type	Land Owner	County	Lat/Long (NAD27)	EPA Region	Local Fire Department
Statoil	Dangel 1/1-H	34-111-24305	Gas	Dangel Pad Site	Monroe	39.67388 N / 80.93152 W	Region 5	304-455-9115
Statoil	Dangel 2-H	34-111-24377	Gas	Dangel Pad Site	Monroe	39.67396 N / 80.93133 W	Region 5	304-455-9115
Statoil	Dangel 3-H	34-111-24378	Gas	Dangel Pad Site	Monroe	39.67395 N / 80.93144 W	Region 5	304-455-9115
Statoil	Dangel 4-H	34-111-24379	Gas	Dangel Pad Site	Monroe	39.67397 N / 80.93130 W	Region 5	304-455-9115
Statoil	Dangel 5-H	34-111-24380	Gas	Dangel Pad Site	Monroe	39.67396 N / 80.93138 W	Region 5	304-455-9115
Statoil	Dangel 6-H	34-111-24381	Gas	Dangel Pad Site	Monroe	39.67397 N / 80.93128 W	Region 5	304-455-9115
Statoil	Dangel 7-H	34-111-24376	Gas	Dangel Pad Site	Monroe	39.67396 N / 80.93135 W	Region 5	304-455-9115
Statoil	Eisenbarth 1-H (TBD)	34-111-24421	Gas	Eisenbarth Pad Site	Monroe	39.69756 N / 80.89904 W	Region 5	304-455-9115
Statoil	Eisenbarth 2 (TBD)	34-111-24336	Gas	Eisenbarth Pad Site	Monroe	39.69758 N / 80.89907 W	Region 5	304-455-9115
Statoil	Eisenbarth 3-H	34-111-24300	Gas	Eisenbarth Pad Site	Monroe	39.69762 N / 80.89991 W	Region 5	304-455-9115
Statoil	Eisenbarth 4-H (TBD)	34-111-24418	Gas	Eisenbarth Pad Site	Monroe	39.69760 N / 80.89902 W	Region 5	304-455-9115
Statoil	Eisenbarth 5-H (TBD)	34-111-24288	Gas	Eisenbarth Pad Site	Monroe	39.69764 N / 80.89899 W	Region 5	304-455-9115
Statoil	Eisenbarth 6-H (TBD)	34-111-24419	Gas	Eisenbarth Pad Site	Monroe	39.69766 N / 80.89898 W	Region 5	304-455-9115
Statoil	Eisenbarth 7-H (TBD)	34-111-24285	Gas	Eisenbarth Pad Site	Monroe	39.69769 N / 80.89895 W	Region 5	304-455-9115
Statoil	Eisenbarth U3-H (TBD)	34-111-24453	Gas	Eisenbarth Pad Site	Monroe	39.69761 N / 80.89905 W	Region 5	304-455-9115
Statoil	Michael 1-H (TBD)	34-111-24420	Gas	Eisenbarth Pad Site	Monroe	39.69758 N / 80.89903 W	Region 5	304-455-9115
Statoil	Michael 2-S (TBD)	34-111-24439	Gas	Eisenbarth Pad Site	Monroe	39.69759 N / 80.89906 W	Region 5	304-455-9115
Statoil	Michael 3-S (TBD)	No permitted yet	Gas	Eisenbarth Pad Site	Monroe	-	Region 5	304-455-9115
Statoil	Michael 4-S (TBD)	34-111-24440	Gas	Eisenbarth Pad Site	Monroe	39.69763 N / 80.89904 W	Region 5	304-455-9115
Statoil	Michael 5-S (TBD)	34-111-24441	Gas	Eisenbarth Pad Site	Monroe	39.69765 N / 80.89903 W	Region 5	304-455-9115
Statoil	Michael 6-S (TBD)	34-111-24442	Gas	Eisenbarth Pad Site	Monroe	39.69767 N / 80.89901 W	Region 5	304-455-9115
Statoil	Michael 7-S (TBD)	34-111-24443	Gas	Eisenbarth Pad Site	Monroe	39.69769 N / 80.89900 W	Region 5	304-455-9115
Statoil	Wefler N U1H (TBD)	34-111-24462	Gas	Eisenbarth Pad Site	Monroe	39.73875 N / 80.90850 W	Region 5	304-455-9115

West Virginia								
Owner/ Operator	Well #	API No.	Type	Farm Name	County	Lat/Long (NAD83)	EPA Region	Local Fire Department
Statoil	Bumgardner 5-2H	47-001-03257	Gas	Bumgardner, Russell C & S	Barbour	39.12151 N / 80.21096 W	Region 3	304-472-2868
Statoil	Randolph PR-1	47-001-03028	Gas	Facemire, Stella B.	Barbour	39.06997 N / 79.96231 W	Region 3	304-823-1234
Statoil	Goodwin Compressor Station	-	Compressor Station	-	Doddridge	39.38779 N / 80.55946 W	Region 3	304-782-2774
Statoil	Goodwin Unit 2-1	47-033-05521	Gas	Collins, Thomas & Vanessa	Harrison	39.37000 N / 80.52242 W	Region 3	304-584-4721
Statoil	Goodwin Unit 2-3	47-033-05446	Gas	Collins, Thomas & Vanessa	Harrison	39.37002 N / 80.52253 W	Region 3	304-584-4721
Statoil	Goodwin Unit 3-1H	47-033-05642	Gas	Coastal Forest Resource Co.	Harrison	39.36970 N / 80.53138 W	Region 3	304-584-4721
Statoil	Goodwin Unit 3-2H	47-033-05712	Gas	Coastal Forest Resource Co.	Harrison	39.36969 N / 80.53144 W	Region 3	304-584-4721
Statoil	Goodwin Unit 3-3H	47-033-05732	Gas	Coastal Forest Resource Co.	Harrison	39.36968 N / 80.53149 W	Region 3	304-584-4721
Statoil	Paw Paw 4	47-049-02038	Gas	Ammons, Danny & Janet	Marion	39.58019 N / 80.23142 W	Region 3	304-449-1904
Statoil	Paw Paw P-3	47-049-01900	Gas	Ammons, Jeremy & Christin	Marion	39.57906 N / 80.23668 W	Region 3	304-449-1904
Statoil	Ball Unit 1H	47-095-02032	Gas	Ball, Robert D. & Sherry A.	Tyler	39.50596 N / 80.75623 W	Region 3	304-337-9289
Statoil	Charles Musgrave 1H	47-103-02647	Gas	Dorsey, Robert	Wetzel	39.67843 N / 80.59754 W	Region 3	304-455-9115
Statoil	Green Dot Unit II 1H	47-103-02661	Gas	Rix, Earl H. - Revocable L	Wetzel	39.68276 N / 80.54770 W	Region 3	304-455-9115
Statoil	Green Dot Unit II 3H (TBD)	47-103-02927	Gas	Cruppenink, Quentin	Wetzel	39.68293 N / 80.54727 W	Region 3	304-455-9115
Statoil	Green Dot Unit II 5H (TBD)	47-103-02928	Gas	Cruppenink, Quentin	Wetzel	39.68289 N / 80.54727 W	Region 3	304-455-9115
Statoil	Green Dot Unit II 6H (TBD)	47-103-02929	Gas	Cruppenink, Quentin	Wetzel	39.68289 N / 80.54727 W	Region 3	304-455-9115
Statoil	James Sizemore 1H	47-103-02580	Gas	Sizemore, Donna	Wetzel	39.64566 N / 80.52942 W	Region 3	304-455-9115
Statoil	Joe Jolliffe Unit 1 1H	47-103-02579	Gas	Jolliffe, Joe	Wetzel	39.64690 N / 80.55630 W	Region 3	304-455-9115
Statoil	Joe Jolliffe Unit 1 4H (TBD)	47-103-02930	Gas	Jolliffe, Nancy E., Exc. Joe Jolliffe	Wetzel	39.64705 N / 80.55591 W	Region 3	304-455-9115
Statoil	Joe Jolliffe Unit 1 5H (TBD)	47-103-02931	Gas	Jolliffe, Nancy E., Exc. Joe Jolliffe	Wetzel	39.64703 N / 80.55593 W	Region 3	304-455-9115
Statoil	Kathy Longwell Unit 1H	47-103-02767	Gas	Longwell et al, Kathy	Wetzel	39.65659 N / 80.49513 W	Region 3	304-455-9115
Statoil	Knob Fork Compressor Station	-	Compressor Station	-	Wetzel	39.65230 N / 80.53561 W	Region 3	304-889-2442
Statoil	Lloyd Prine 1H	47-103-02572	Gas	Henderson, Howard M.	Wetzel	39.66980 N / 80.57385 W	Region 3	304-455-9115

West Virginia								
Owner/ Operator	Well #	API No.	Type	Farm Name	County	Lat/Long (NAD83)	EPA Region	Local Fire Department
Statoil	Michael Kuhn Unit 1H	47-103-02775	Gas	Kuhn, Michael G.	Wetzel	39.61517 N / 80.53132 W	Region 3	304-455-9115
Statoil	Michael Kuhn Unit 2H (TBD)	47-103-02932	Gas	Kuhn, Michael G.	Wetzel	39.61524 N / 80.53097 W	Region 3	304-455-9115
Statoil	North Henderson Unit 1H	47-103-02683	Gas	Henderson, Howard M.	Wetzel	39.69341 N / 80.57806 W	Region 3	304-455-9115
Statoil	Shreve-Watson Unit 1H	47-103-02557	Gas	Shreve, Kenneth & Sondra	Wetzel	39.66947 N / 80.54566 W	Region 3	304-455-9115
Statoil	Shreve-Watson Unit 2H (TBD)	47-103-02926	Gas	Shreve, Kenneth & Sondra	Wetzel	39.66964 N / 80.54537 W	Region 3	304-455-9115
Statoil	Shreve-Watson Unit 1V	47-103-02537	Gas	Watson, Ernest Jack & Nancy	Wetzel	39.67060 N / 80.55110 W	Region 3	304-455-9115

FACILITY: DANGEL PAD SITE

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Monroe County, Ohio
7. Latitude:	39.67388° N	**Longitude:**	80.93152° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Monroe County, Ohio. From the town of Hannibal, Ohio, travel west on OH-536 N for approximately 3.5 miles. Continue onto Long Ridge Road for approximately 0.6 miles. Turn right to stay on Long Ridge Road and travel approximately 0.6 miles. Turn right onto Dangel Lane and travel approximately 0.7 miles. The facility will be on the right.

C. FACILITY DESCRIPTION:

The Dangle Pad Site is a crude petroleum and natural gas extraction facility. Currently this facility does not have bulk storage tanks. Presently, there is (1) well associated with this facility.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

1,437 feet southeast of Watkins Fork. Approximately 3.30 miles West of the Ohio River.

E. CONTRIBUTING WELLS:

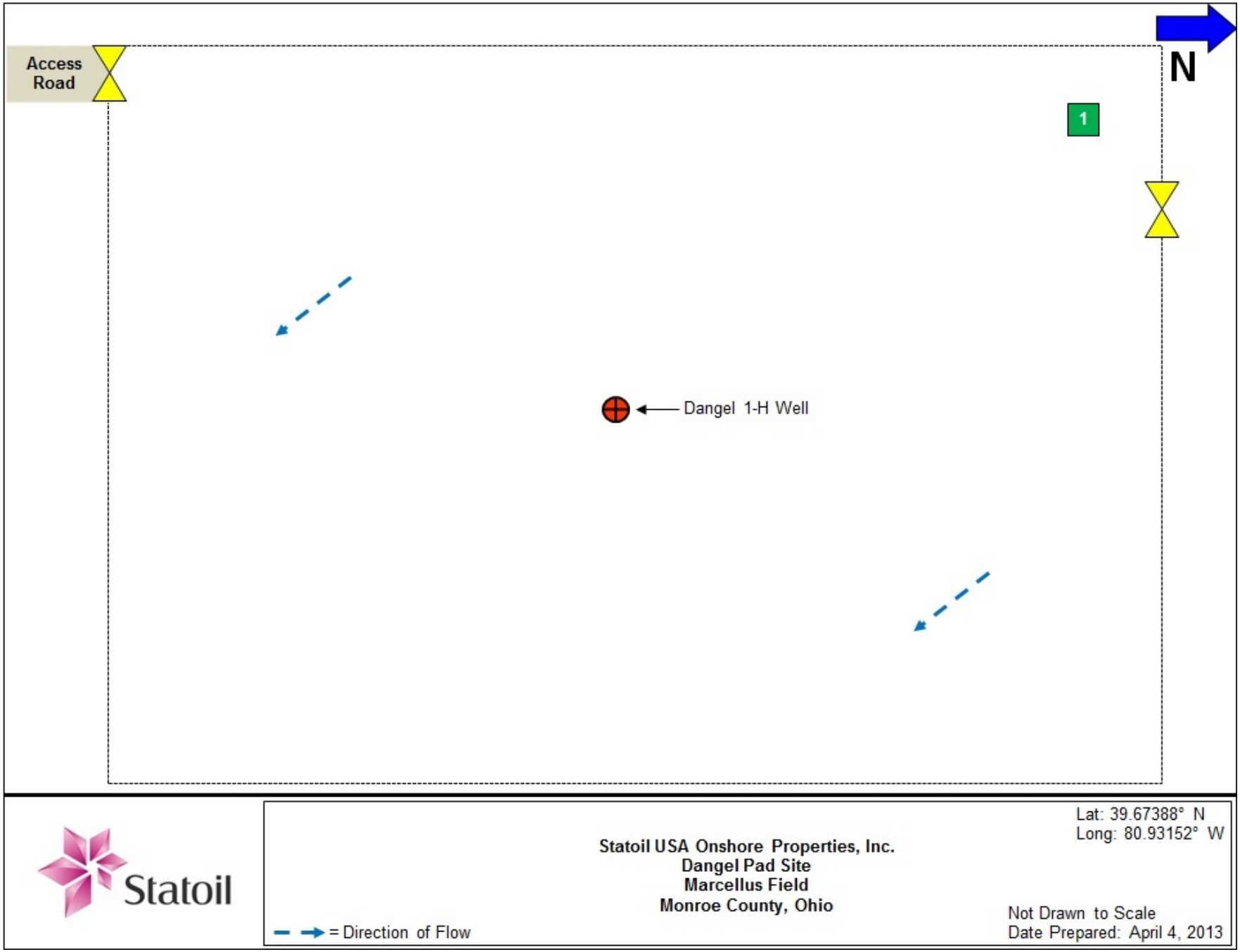
WELL NAME	API#	TOWNSHIP
Dangel 1-H	34-111-24305	Ohio

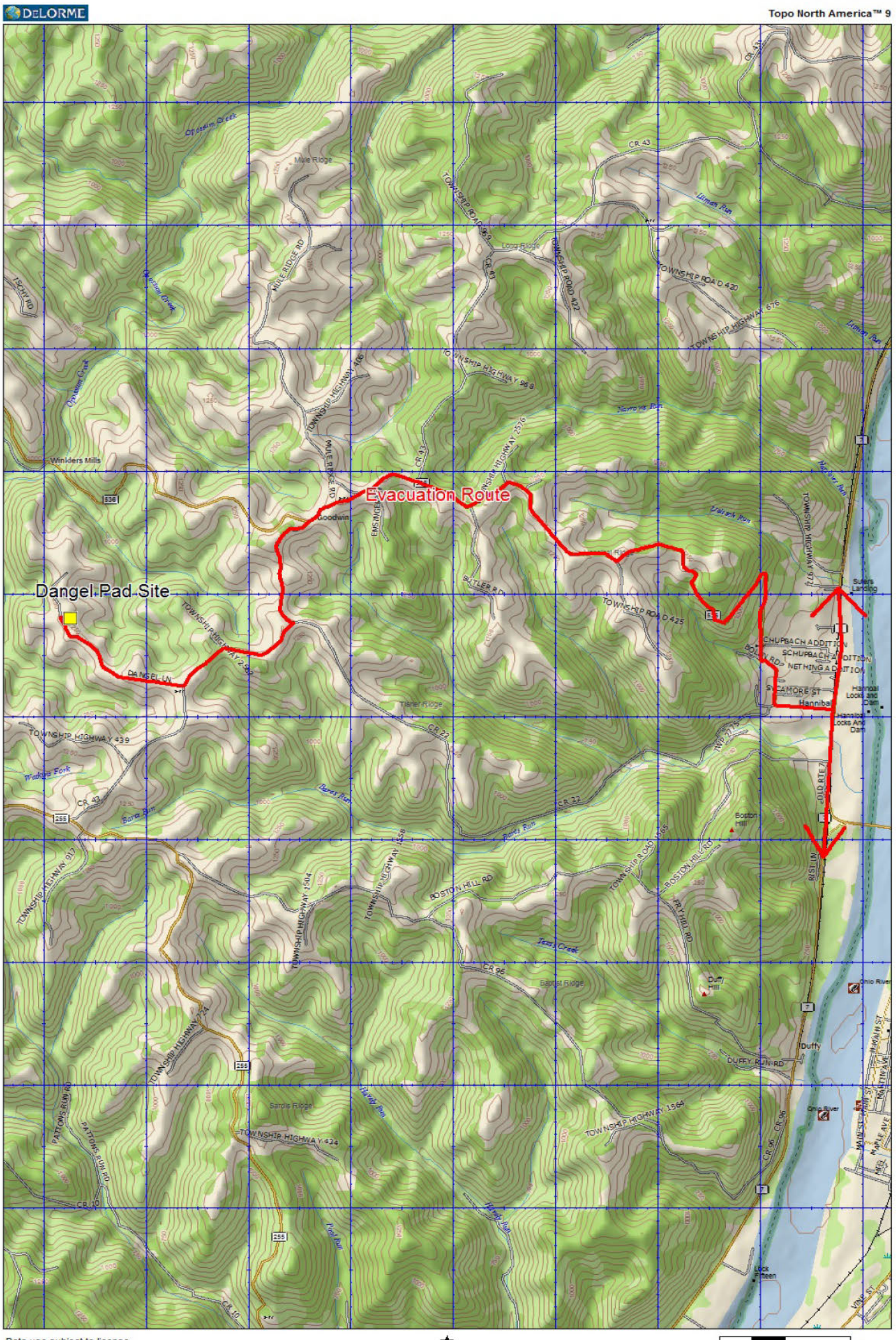
F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Chemical Storage Tank	Rupture, leak, corrosion	275	275	Southeast	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Air Foam Biocide Tote Tank	275 gallons	-





Statoil USA Onshore Properties, Inc.
Dangel Pad Site
Monroe County, Ohio
Topographical Evacuation Route Map
39.67388° N / 80.93152° W

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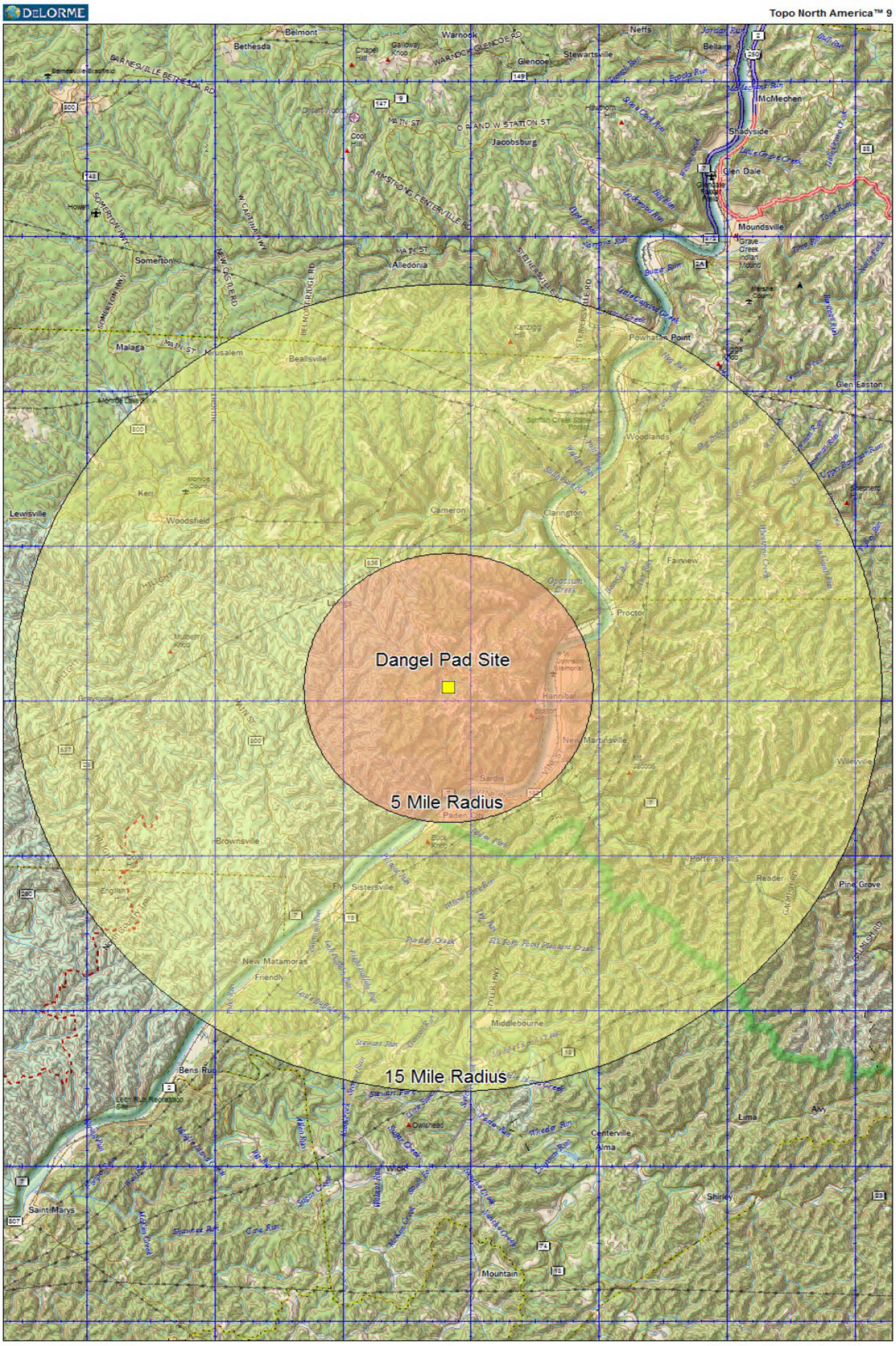
Topo North America™ 9



Statoil USA Onshore Properties, Inc.
Dangel Pad Site
Monroe County, Ohio
Topographical Impact Radius Map
39.67388° N / 80.93152° W

FACILITY: EISENBARTH PAD SITE

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Monroe County, Ohio
7. Latitude:	39.69763° N	**Longitude:**	80.89901° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Monroe County, Ohio. From the town of Hannibal, Ohio, travel west on OH-536 N for approximately 2.9 miles. Turn right onto County Road 43/Long Ridge Road for approximately 1.2 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Eisenbarth Pad Site is a crude petroleum and natural gas extraction facility. This facility contains (2) 30,000 gallon condensate storage tanks and (2) 400 barrel crude oil storage tanks. Presently, there is (1) well flowing into this facility with an average daily production of 328 barrels of condensate, 39 barrels of produced water, and 2,260 mcf of natural gas.

Condensate and produced water are transported from this facility via truck. Natural gas is sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

1,863 feet east of an unnamed stream, which flows into Opossum Creek. Approximately 1.86 miles northwest of the Ohio River.

E. CONTRIBUTING WELLS:

WELL NAME	API#	TOWNSHIP
Eisenbarth 3-H	34-111-24300	Ohio

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	642.25	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	33,655	16,800	Southwest	Yes
Storage Tanks	Rupture, leak, corrosion	60,520	30,000	Southwest	No
Chemical Storage Tanks	Rupture, leak, corrosion	1,060	225	Southwest	Yes
Process Equipment	Rupture, leak, corrosion	1,929.90	642.25	Southwest	No

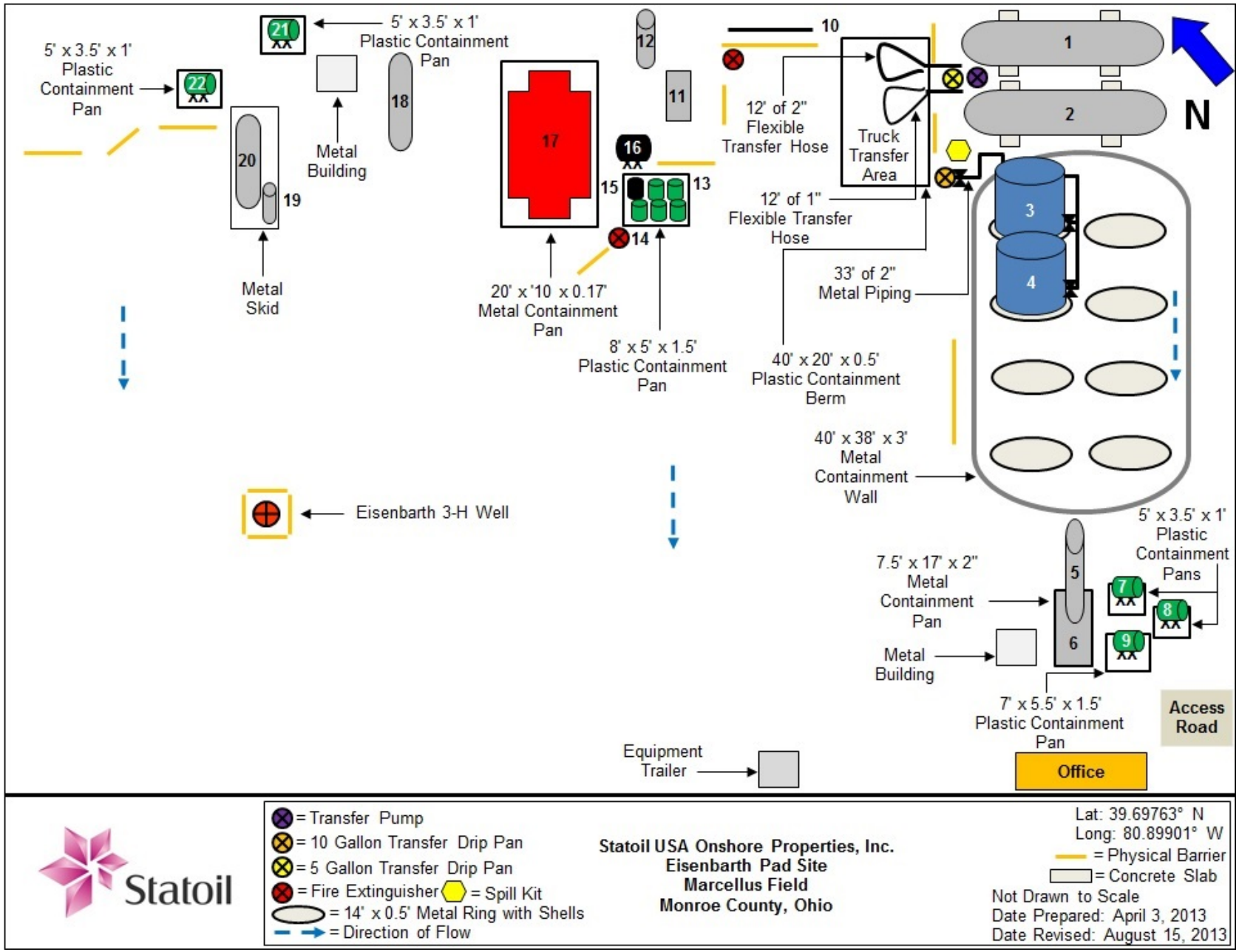
G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Condensate Storage Tank	30,000 gallons	-
2	Condensate Storage Tank	30,000 gallons	-
3	Produced Water Storage Tank	400	-
4	Produced Water Storage Tank	400	-
5	Contact Tower	21.86	30" x 25'
6	Glycol Dehydration Unit	3.92	24" x 7'
7	Methanol Storage Tank	225 gallons	-
8	Methanol Storage Tank	225 gallons	-
9	Desitherm Storage Tank	225 gallons	-
10	Meter	-	-
11	Fuel Gas Skid	-	-
12	Discharge Coalescer Filter	-	-
13	(4) Norkool SLH-50 Storage Drums	55 gallons/each	-

FACILITY: EISENBARTH PAD SITE

G. EQUIPMENT LIST (CONTINUED):

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
14	Methanol Storage Drum	55 gallons	-
15	Waste Oil Storage Drum	55 gallons	-
16	Pegasus 805 Storage Tank	520 gallons	-
17	Compressor	-	-
18	3-Phase Separator	9.47	36" x 7.5'
19	Drip Pot	0.63	12" x 4.5'
20	Production Unit	5.59	24" x 10'
21	Methanol Storage Drum	55 gallons	-
22	Methanol Storage Drum	55 gallons	-



(2) 400 Barrel Produced Water Storage Tanks

(2) 30,000 Gallons Condensate Storage Tanks

Compressor

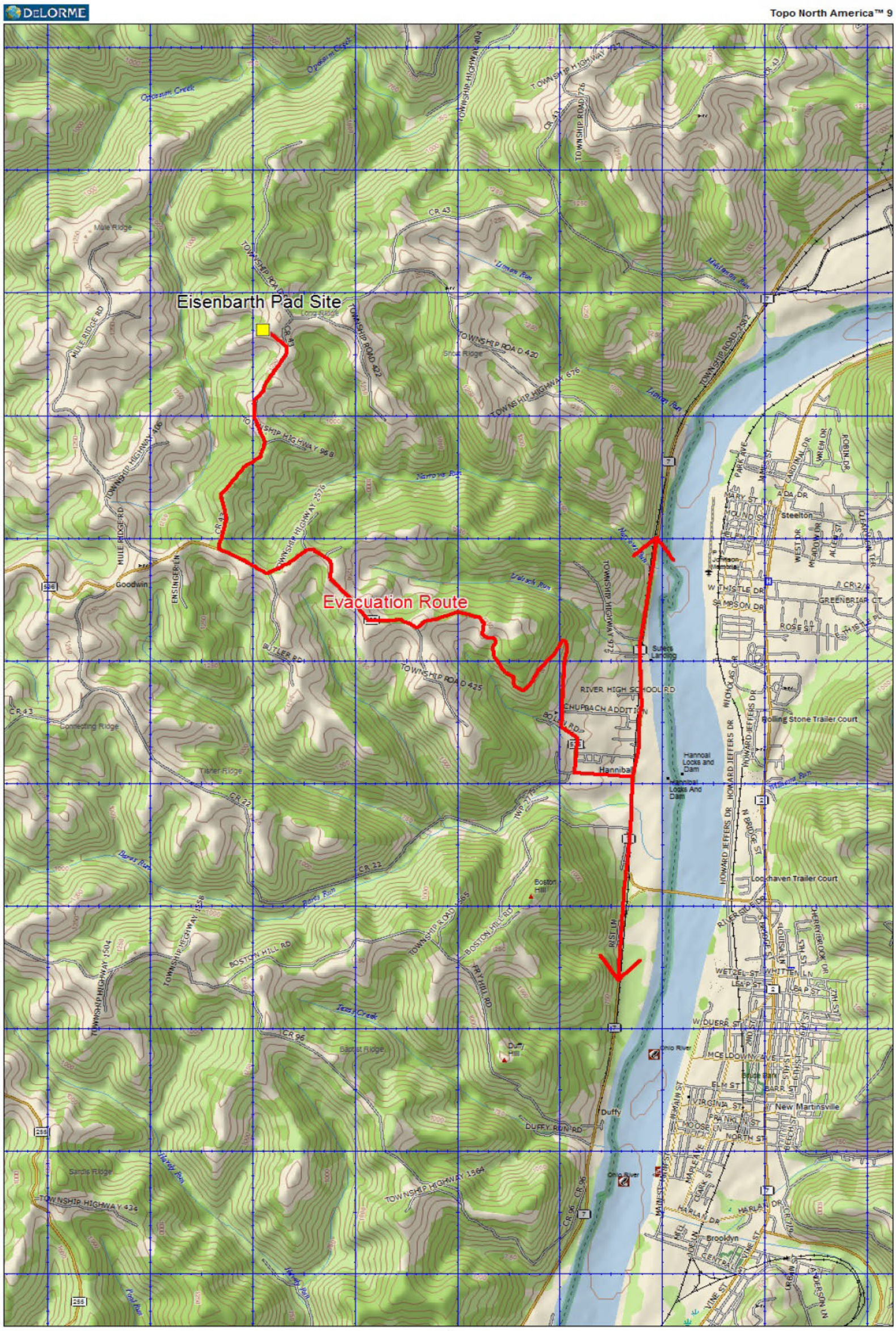
520 Gallon Pegasus 805 Storage Tank and Fuel Gas Skid

Production Unit

3-Phase Separator

Glycol Dehydration Unit, (2) 225 Gallon Methanol Storage Tanks, and (1) Desitherm Storage Tank

Eisenbarth 3-H Well



Statoil USA Onshore Properties, Inc.
Eisenbarth Pad Site
Monroe County, Ohio
Topographical Evacuation Route Map
39.69763° N / 80.89901° W

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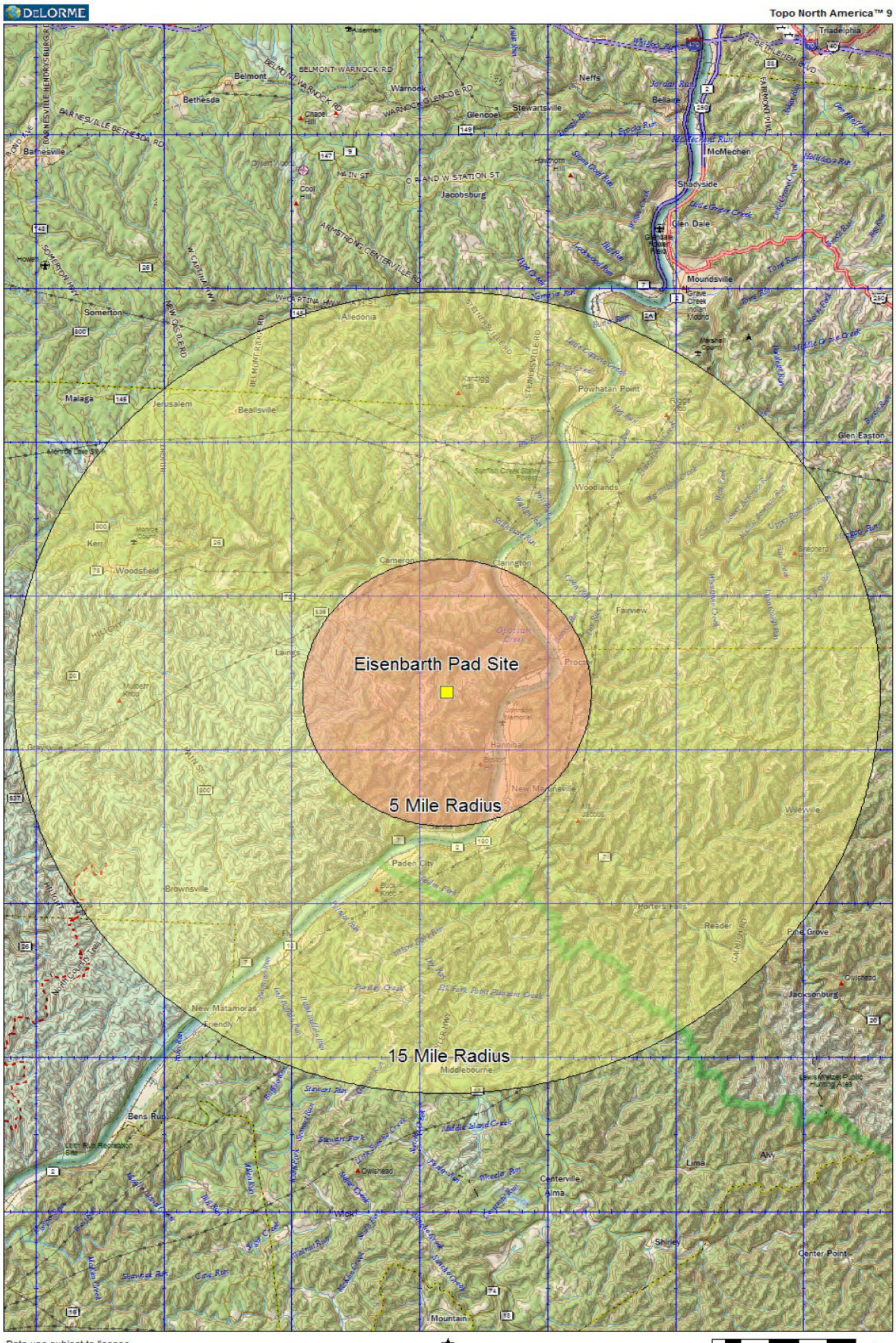


Statoil USA Onshore Properties, Inc.
Eisenbarth Pad Site
Monroe County, Ohio
Topographical Impact Radius Map
39.69763° N / 80.89901° W

FACILITY: BUMGARDNER 5-2H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Barbour County, West Virginia
7. Latitude:	39.12151° N	**Longitude:**	80.21096° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Barbour County, West Virginia. From the town of Buckhannon, West Virginia, travel north on W Virginia 20 N/N Locust Street toward Senior Drive for approximately 11.0 miles. Turn left onto County Route 20/3 and travel approximately 0.2 miles. The facility will be on the right.

C. FACILITY DESCRIPTION:

The Bumgardner 5-2H Facility is a crude petroleum and natural gas extraction facility. Currently this facility does not have bulk storage tanks. Presently, there is (1) well associated with this facility.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

689 feet west of Gnatty Creek.

E. CONTRIBUTING WELLS:

WELL NAME	API#	TOWNSHIP
Bumgardner 5-2H	47-001-03257	-

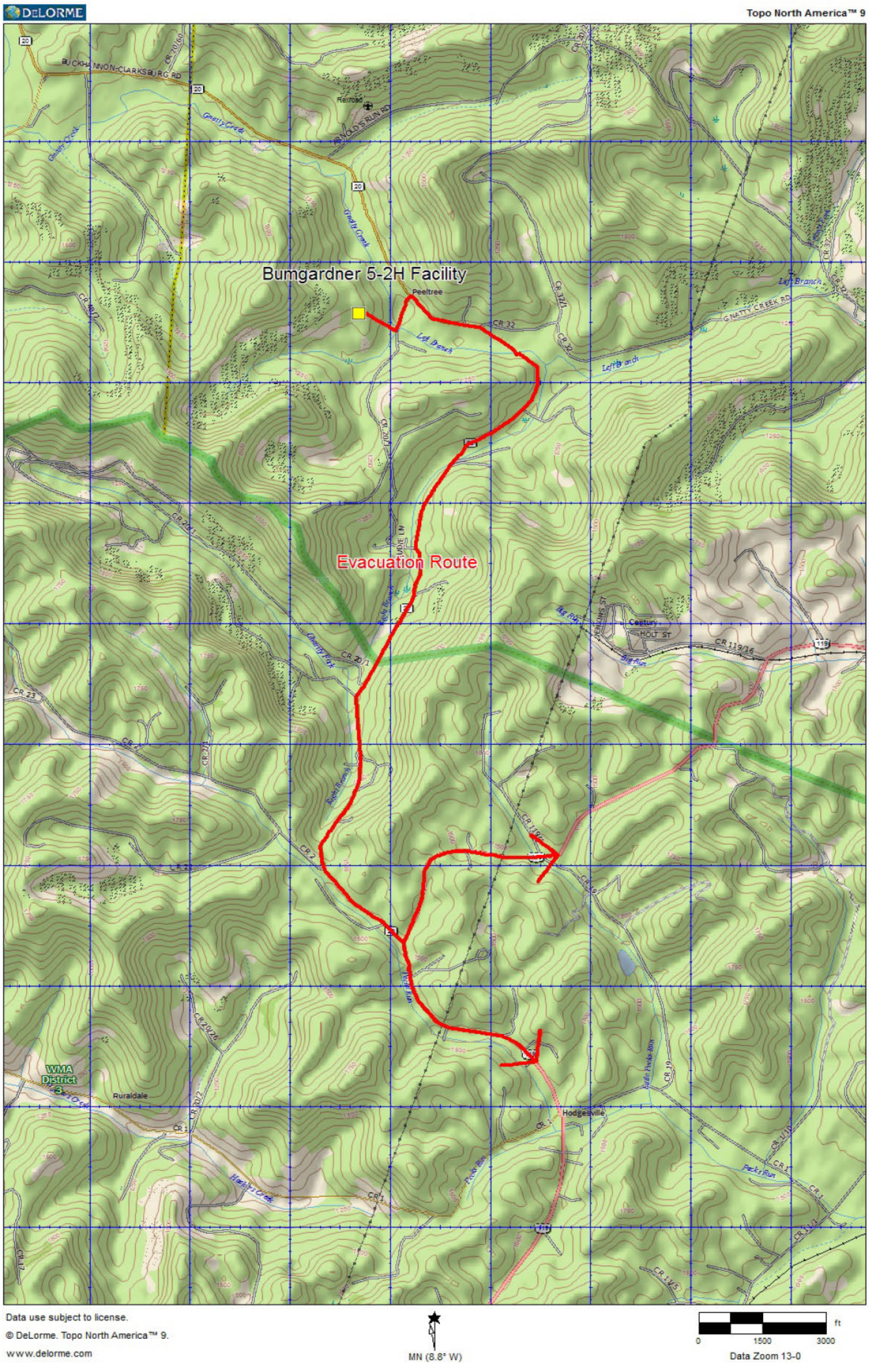
F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No

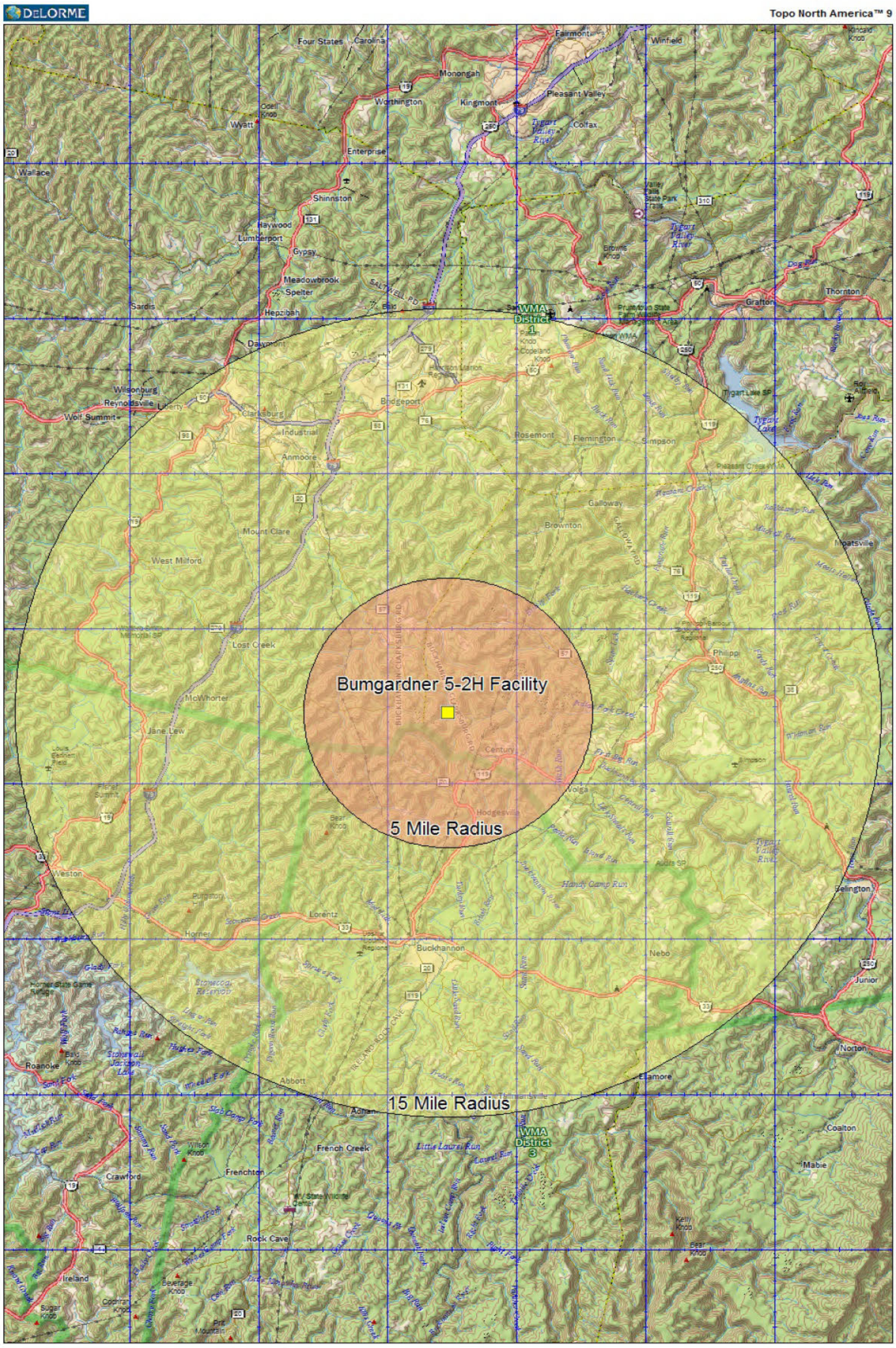
G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	-	-	-

N
Bumgardner 5-2H Well
Access Road
Statoil
Statoil USA Onshore Properties, Inc.
Bumgardner 5-2H Facility
Marcellus Field
Barbour County, Ohio
Lat: 39.12151° N
Long: 80.21096° W
Not Drawn to Scale
Date Prepared: April 9, 2013
= Direction of Flow



Statoil USA Onshore Properties, Inc.
Bumgardner 5-2H Facility
Barbour County, West Virginia
Topographical Evacuation Route Map
39.12151° N / 80.21096° W



Statoil USA Onshore Properties, Inc.
Bumgardner 5-2H Facility
Barbour County, West Virginia
Topographical Impact Radius Map
39.12151° N / 80.21096° W

FACILITY: RANDOLPH PR-1 FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Barbour County, West Virginia
7. Latitude: 39.06997° N	**Longitude:** 79.96231° W	**8. Field:**	Marcellus
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Barbour County, West Virginia. From the town of Belington, West Virginia, travel north on Crim Avenue/Philippi P ke toward Bridge Street for approximately 0.3 miles. Continue onto US-250 N/Junior-Philippi-Grafton Road and travel approximately 2.6 miles. Turn right onto Bill Creek Road/County Route 44 and travel approximately 1.2 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Randolph PR-1 Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 210 barrel brine/produced fluids storage tanks. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/produced fluids and 29 mcf of natural gas.

Brine/produced fluids is transported from this facility via truck. Natural gas is sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

971 feet east of Bills Creek.

E. CONTRIBUTING WELLS:

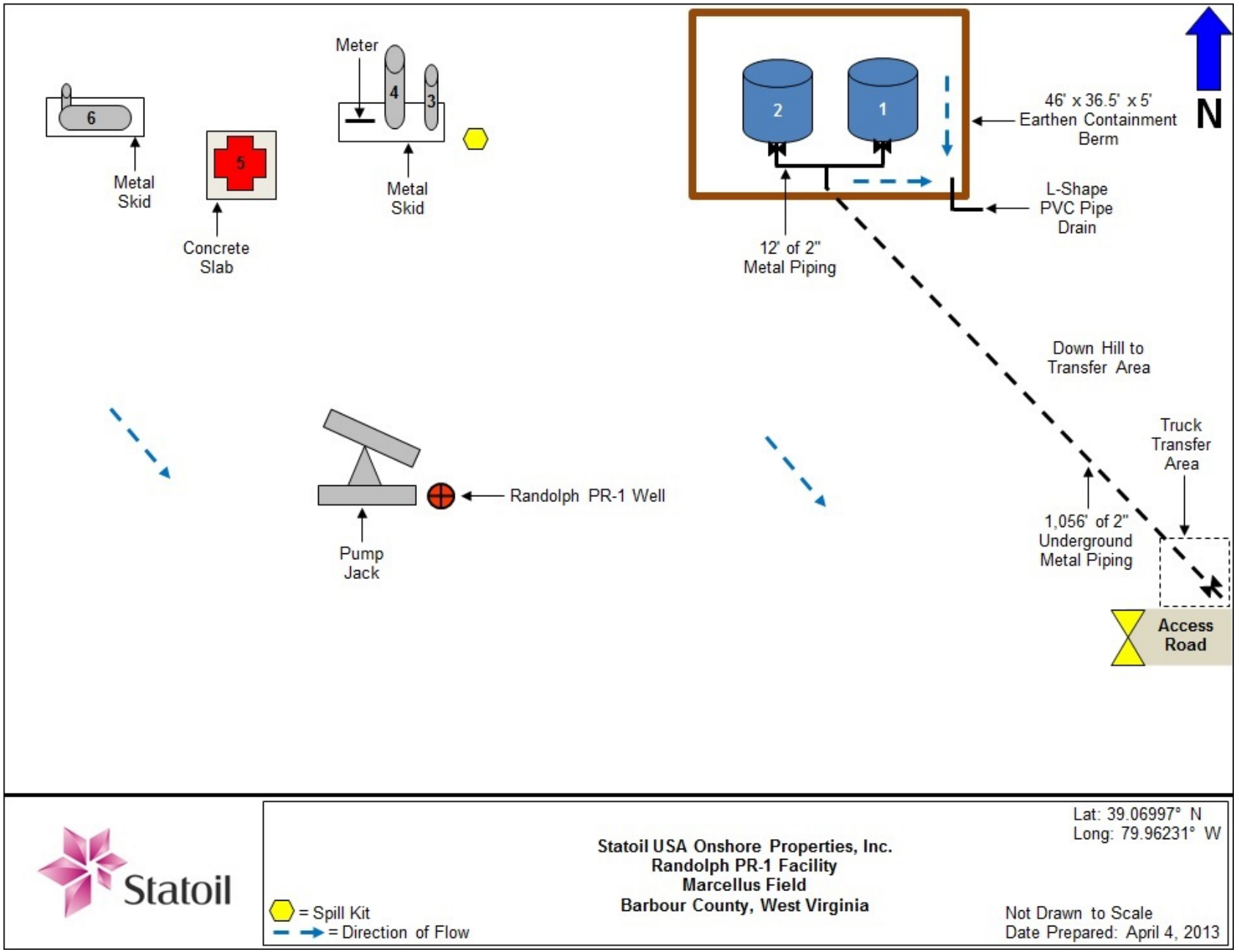
WELL NAME	API#	TOWNSHIP
Randolph PR-1	47-001-03028	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, East, South, and West	No
Storage Tanks	Rupture, leak, corrosion	17,640	8,820	South and East	Yes
Process Equipment	Rupture, leak, corrosion	662.76	-	Southeast	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Produced Fluids Storage Tank	210	-
2	Brine/Produced Fluids Storage Tank	210	-
3	Separator	0.39	9" x 5'
4	Separator	3.08	24" x 5.5'
5	Compressor	-	-
6	Heater	12.31	48" x 5.5'



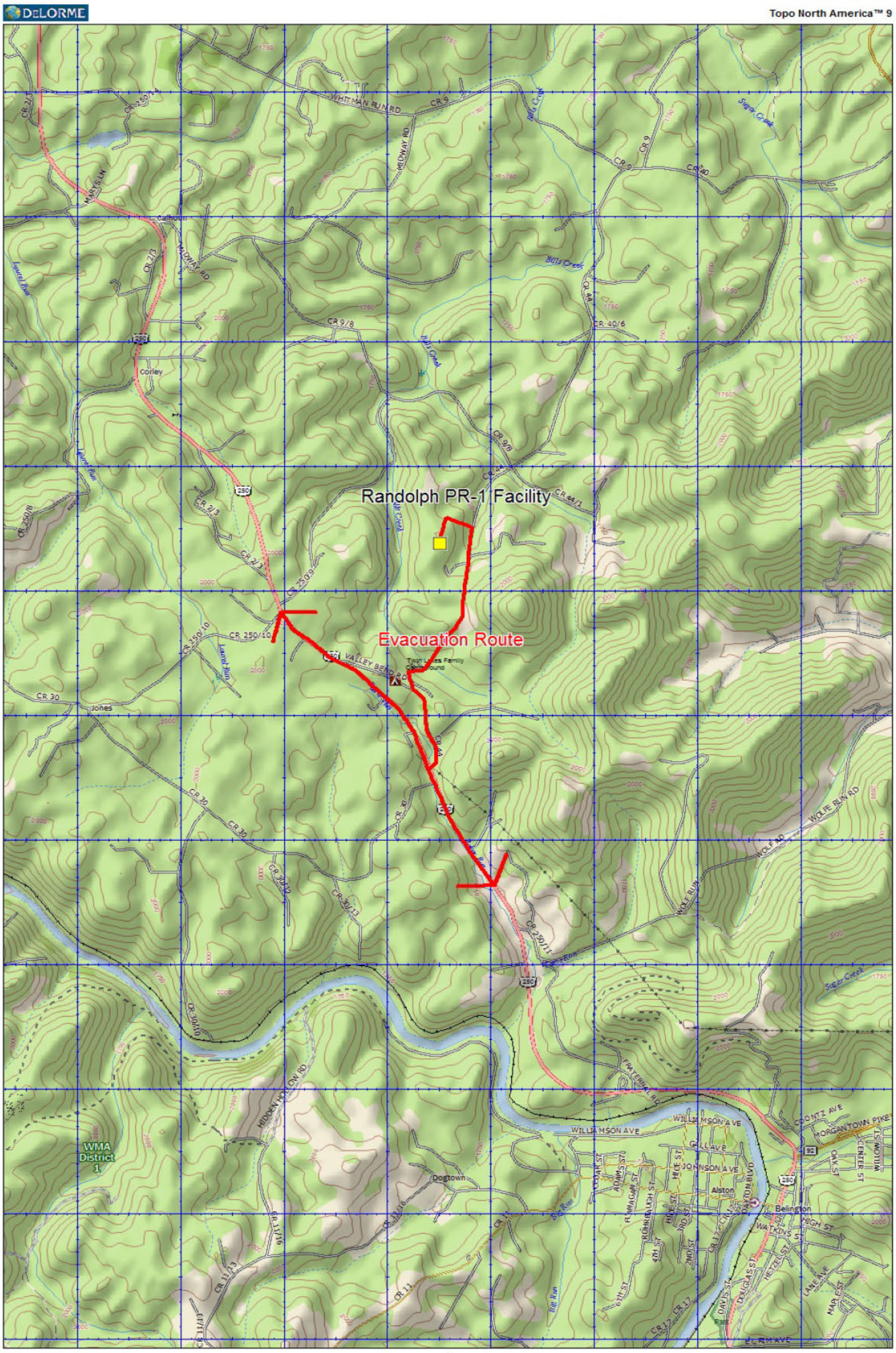
(2) 210 Barrel Brine/Produced Fluids Storage Tanks

Compressor

Heater

Separator

Randolph PR-1 Well



Statoil USA Onshore Properties, Inc.
Randolph PR-1 Facility
Barbour County, West Virginia
Topographical Evacuation Route Map
39.06997° N / 79.96231° W

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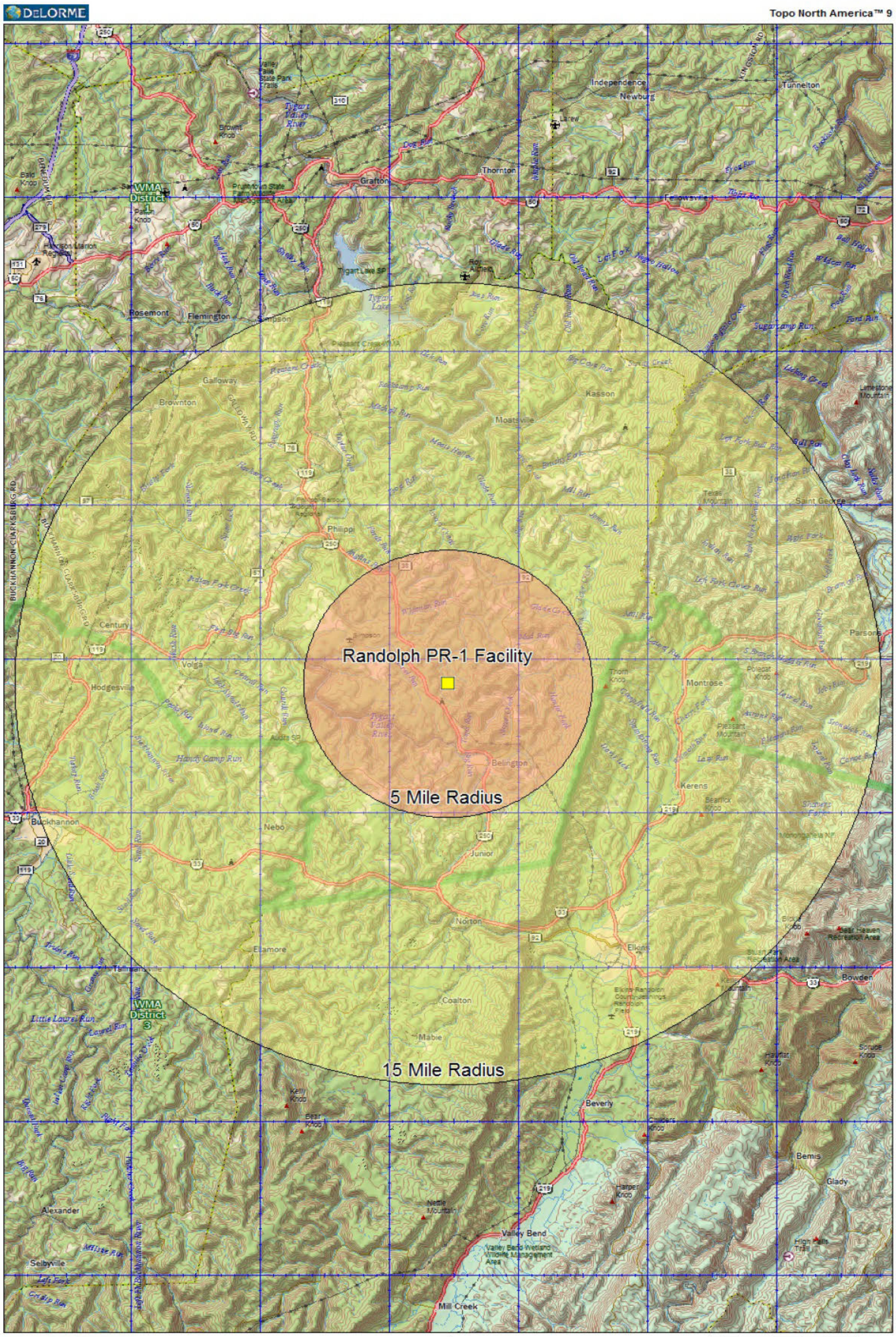


Statoil USA Onshore Properties, Inc.
Randolph PR-1 Facility
Barbour County, West Virginia
Topographical Impact Radius Map
39.06997° N / 79.96231° W

FACILITY: GOODWIN COMPRESSOR STATION

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Support Activities for Oil and Gas Operations
5. Telephone:	304-551-5462	**6. County/State:**	Doddridge County, West Virginia
7. Latitude:	39.38779° N	**Longitude:**	80.55946° W
8. Field:	Marcellus		
9. NAICS Number:	213112	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Doddridge County, West Virginia. From the town of Clarksburg, West Virginia, travel northwest on US-50 W for approximately 13.8 miles. Turn right onto W Virginia 23 W/Jacobs Run Road and travel approximately 10.2 miles. Turn right onto Pike Fork and travel approximately 4.6 miles. The facility will be on the right.

C. FACILITY DESCRIPTION:

The Goodwin Compressor Station is a gas compressor station. This facility contains (2) 210 barrel brine/produced fluids storage tanks. Natural gas is transferred to this compressor station via pipeline from the Goodwin Unit 2-1 & 2-3 Facility.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

485 feet west of McIntyre Fork, which drains to Rockcamp Run Creek, a tributary of the Ohio River.

E. CONTRIBUTING WELLS:

WELL NAME	API#	TOWNSHIP
-	-	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, East, South, and West	No
Storage Tanks	Rupture, leak, corrosion	18,240	8,820	Southwest	Yes
Storage Tanks	Rupture, leak, corrosion	3,120	1,000	Southwest	No
Chemical Storage Tanks	Rupture, leak, corrosion	8,950	8,820	Southwest	Yes
Chemical Storage Tanks	Rupture, leak, corrosion	575	520	Southwest	No
Process Equipment	Rupture, leak, corrosion	230	-	Southwest	No

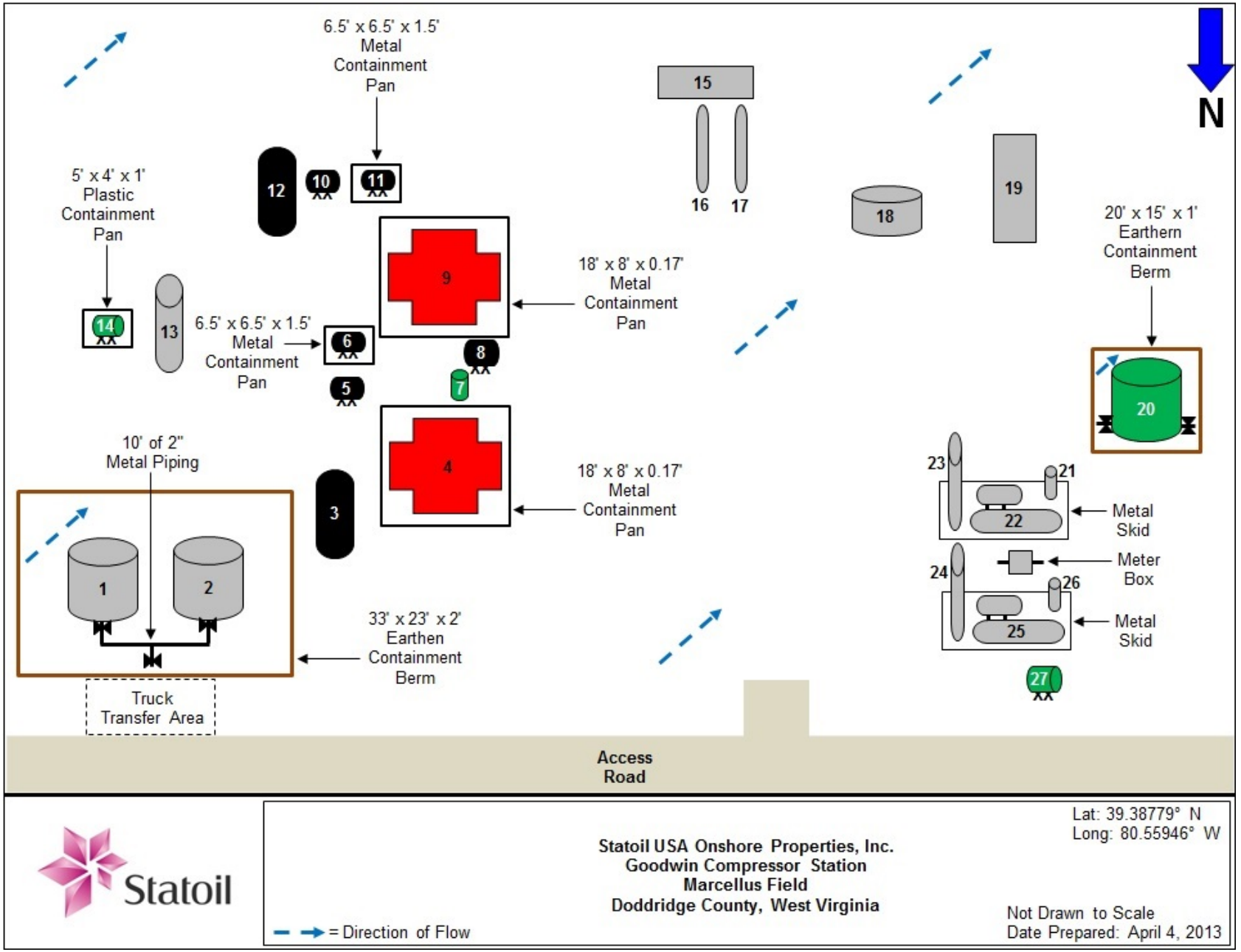
G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Compressor Slop Storage Tank	210	-
2	Compressor Slop Storage Tank	210	-
3	Citgo Compressor Oil 35 LP Storage Tank	1,000 gallons	-
4	Compressor	-	-
5	Citgo Pacemaker Gas Engine Oil Storage Tank	300 gallons	-
6	Citgo Compressor Oil 35 LP Storage Tank	300 gallons	-
7	Shellzone Antifreeze/Coolant Storage Drum	55 gallons	-
8	Used Oil Storage Tank	520 gallons	-
9	Compressor	-	-
10	Citgo Pacemaker Gas Engine Oil Storage Tank	300 gallons	-
11	Citgo Compressor Oil 35 LP Storage Tank	300 gallons	-
12	Citgo Pacemaker Gas Engine Oil Storage Tank	1,000 gallons	-

FACILITY: GOODWIN COMPRESSOR STATION

G. EQUIPMENT LIST (CONTINUED):

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
13	Scrubber	22.38	48" x 10'
14	Methanol Storage Tank	130 gallons	-
15	Headers	-	-
16	Filter	0.87	10" x 9'
17	Filter	0.87	10" x 9'
18	Empty Storage Tank	50	-
19	Storage Container	-	-
20	Glycol Condensate Storage Tank	210	-
21	Filter Pot	0.15	10" x 1.5'
22	Glycol Dehydration Unit	1.67/ 5.59	24" x 3'/ 24" x 10'
23	Contact Tower	13.99	24" x 25'
24	Contact Tower	13.99	24" x 25'
25	Glycol Dehydration Unit	1.67/ 5.59	24" x 3'/ 24" x 10'
26	Filter Pot	0.15	10" x 1.5'
27	Inhibited Triethylene Glycol Storage Tank	520 gallons	-



(2) 210 Barrel Compressor Slop Storage Tanks

Compressor

Compressor

300 Gallon Citgo Pacemaker Gas Engine Oil Storage Tank,
300 Gallon Citgo Compressor Oil 25 LP Storage Tank, and Scrubber

1,000 Gallon Citgo Compressor Oil 35 LP Storage Tank

1,000 Gallon Pacemaker Gas Engine Oil Storage Tank,
300 Gallon Pacemaker Gas Engine Oil Storage Tank,
and 300 Gallon Compressor Oil 35 LP Storage Tank

Glycol Dehydration Unit and Contact Tower

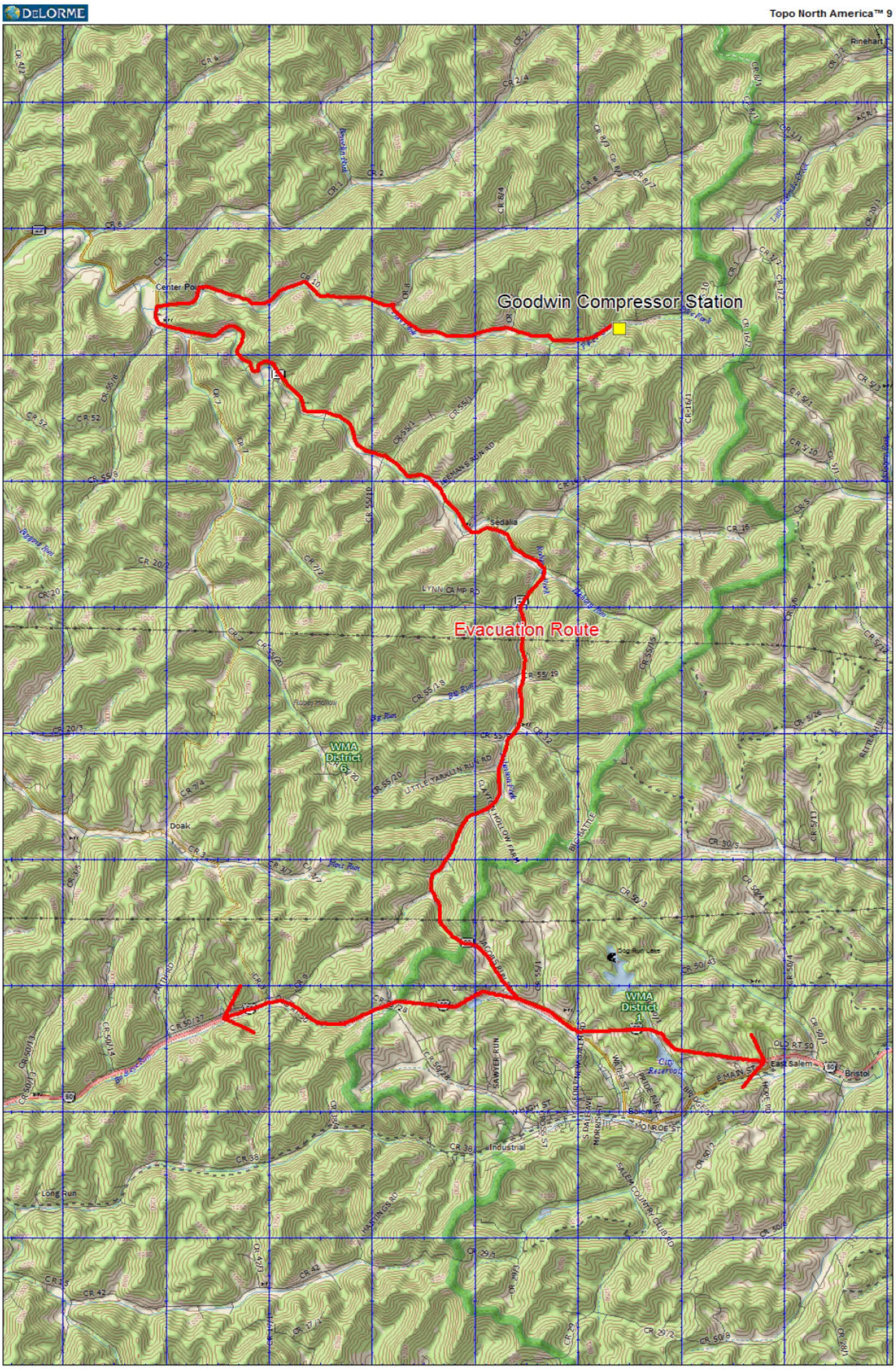
Glycol Dehydration Unit and Contact Tower

520 Gallon Inhibited Triethylene Glycol

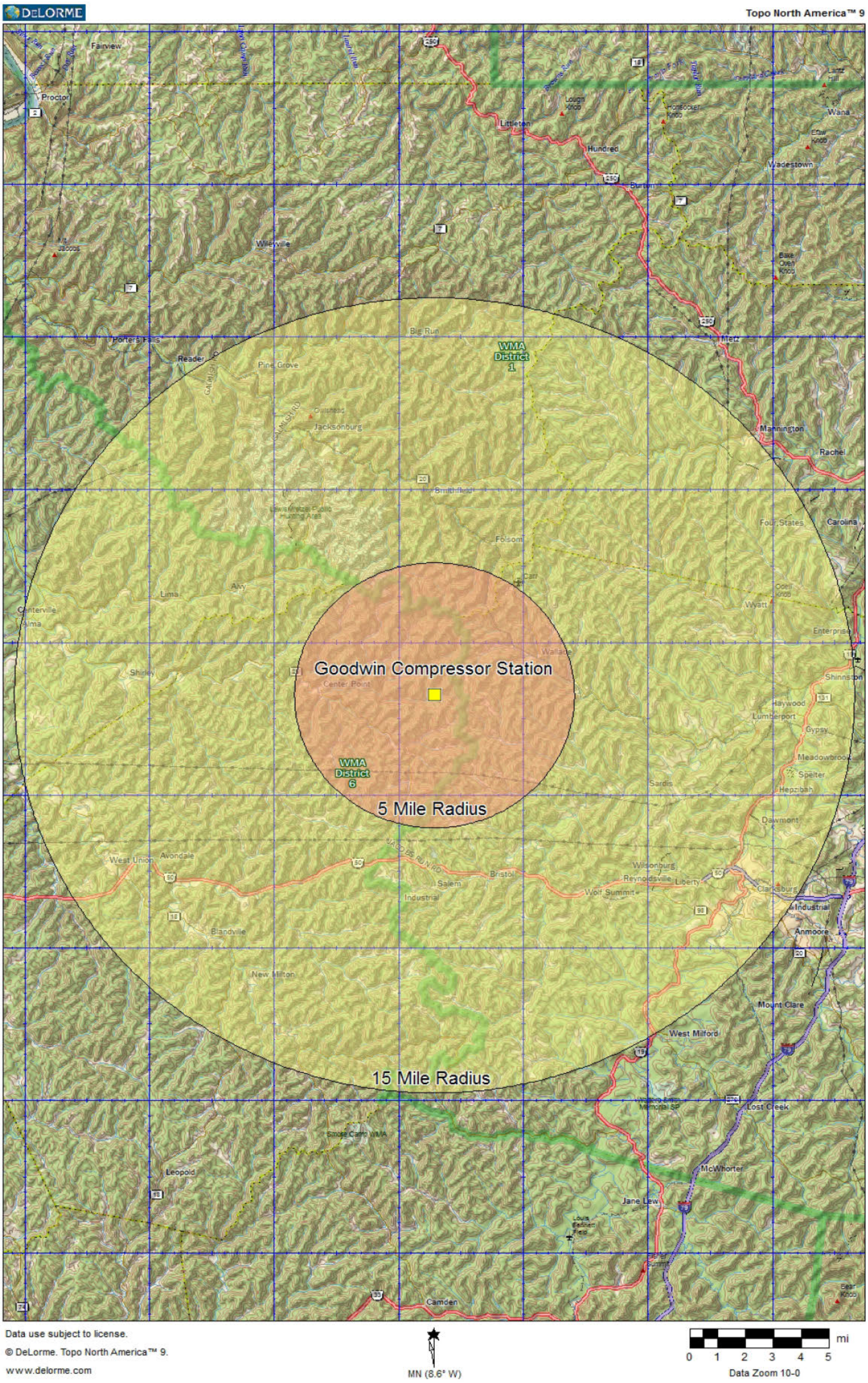
210 Barrel Glycol Condensate Storage Tank

50 Barrel Empty Storage Tank

Storage Container



Statoil USA Onshore Properties, Inc.
Goodwin Compressor Station
Doddridge County, West Virginia
Topographical Evacuation Route Map
39.38779° N / 80.55946° W



Statoil USA Onshore Properties, Inc.
Goodwin Compressor Station
Doddridge County, West Virginia
Topographical Impact Radius Map
39.38779° N / 80.55946° W

FACILITY: GOODWIN UNIT 2-1 & 2-3 FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Harrison County, West Virginia
7. Latitude: 39.37000° N	**Longitude:** 80.52242° W	**8. Field:**	Marcellus
9. NAICS Number: 211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.	
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Harrison County, West Virginia. From the town of Clarksburg, West Virginia, travel northwest on US-50 W for approximately 13.8 miles. Turn right onto W Virginia 23 W/Jacobs Run Road and travel approximately 5.7 miles. Turn right onto Skelton Run Road and travel approximately 2.7 miles. Continue onto Big Rock Camp Road/county Route 5 and travel approximately 1.0 miles. Take a slight left onto County Route 5/2/McIntyre Fork Road and travel approximately 0.3 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Goodwin Unit 2-1 & 2-3 Facility is a crude petroleum and natural gas extraction facility. This facility contains (4) 210 barrel brine/produced fluids storage tanks. Presently, there are (2) wells flowing into this facility with an average daily production of 20 barrels of brine/produced fluids and 5,913 mcf of natural gas.

Brine/produced water is transported from this facility via truck. Natural gas is transported from this facility to the Goodwin Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

485 feet west of McIntyre Fork.

E. CONTRIBUTING WELLS:

WELL NAME	API#	TOWNSHIP
Goodwin Unit 2-1	47-033-05521	-
Goodwin Unit 2-3	47-033-05446	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	35.00	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	35,280	8,820	North and West	Yes
Chemical Storage Tank	Rupture, leak, corrosion	220	220	Southwest	Yes
Chemical Storage Tank	Rupture, leak, corrosion	2,000	2,000	Southwest	No
Process Equipment	Rupture, leak, corrosion	3,207.96	35.00	Southwest	No

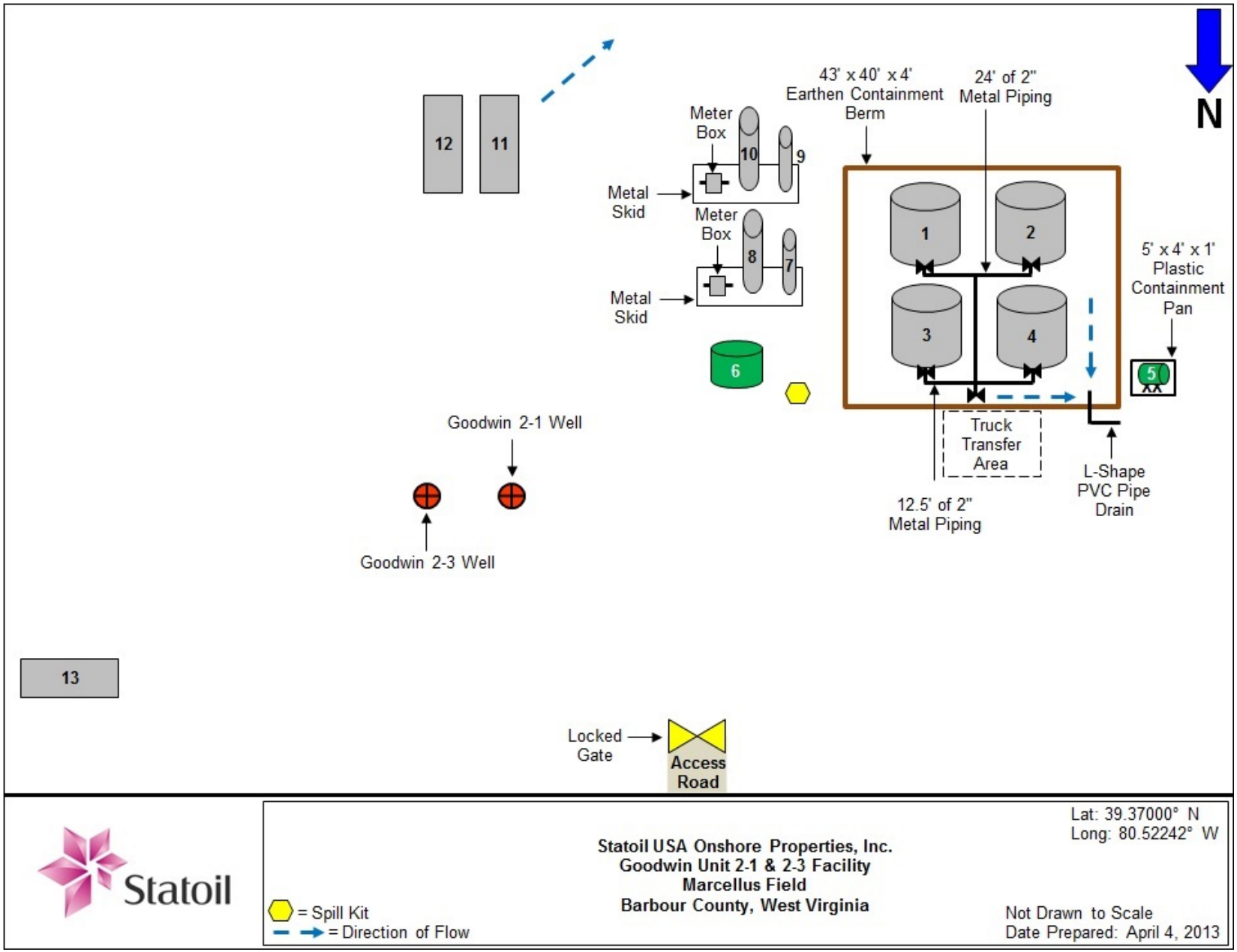
G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Produced Fluids Storage Tank	210	-
2	Brine/Produced Fluids Storage Tank	210	-
3	Brine/Produced Fluids Storage Tank	210	-
4	Brine/Produced Fluids Storage Tank	210	-
5	Chemical Storage Tank	220 gallons	-
6	Triethylene Glycol Storage Tank	2,000 gallons	-
7	Filter Pot	0.70	12" x 5'
8	Separator	3.92	24" x 7'
9	Filter Pot	0.70	12" x 5'

FACILITY: GOODWIN UNIT 2-1 & 2-3 FACILITY

G. EQUIPMENT LIST (CONTINUED):

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
10	Separator	3.92	24" x 7'
11	Heater	33.57	48" x 15'
12	Heater	33.57	48" x 15'
13	Not in Service Heater	-	-



2,000 Gallon Triethylene Glycol Storage Tank and
(4) 210 Barrel Brine/Produced Fluids Storage Tanks

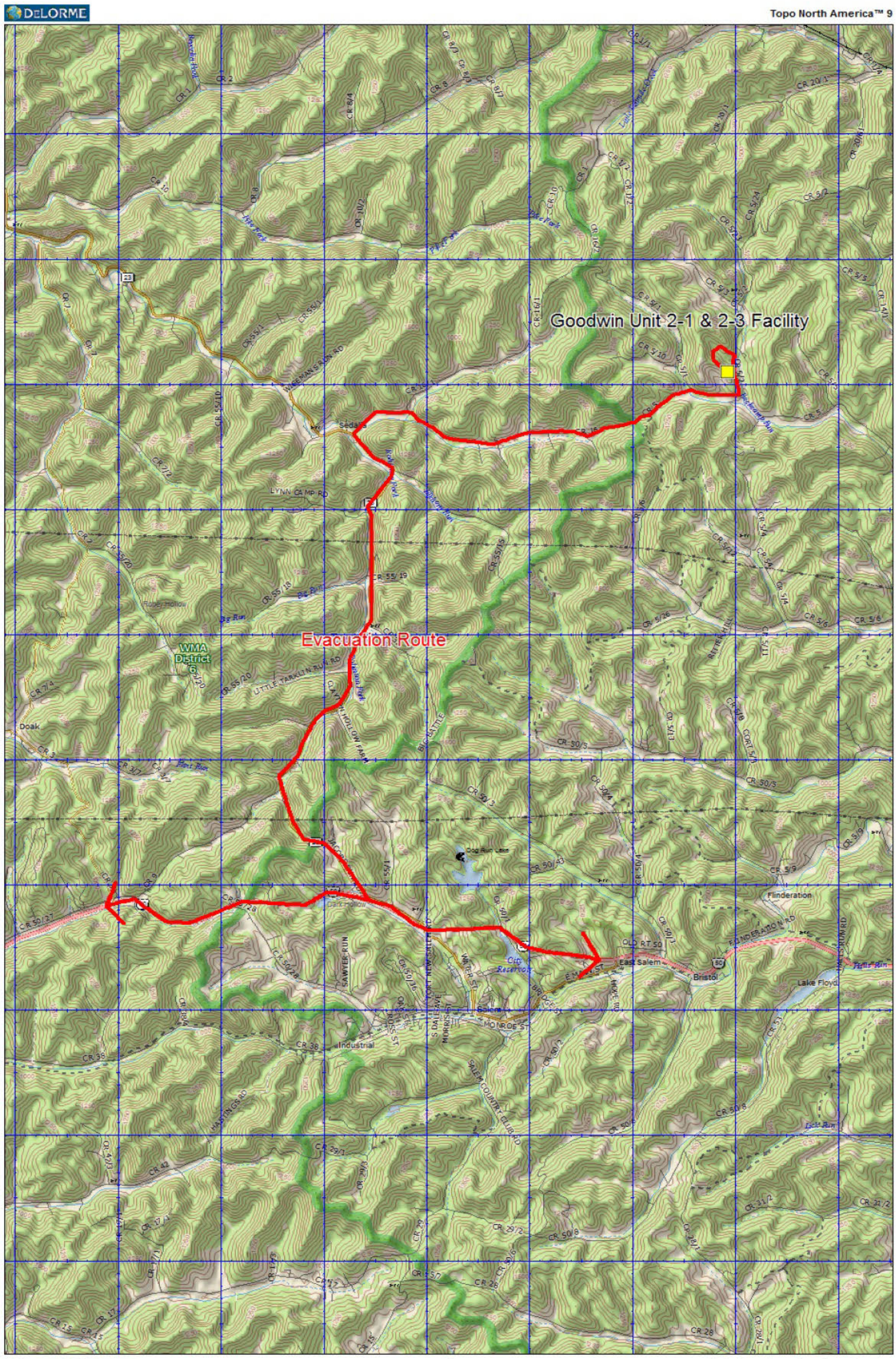
Heaters

Separators

220 Gallon Chemical Storage Tank

Goodwin Unit 2-1 Well

Goodwin Unit 2-3 Well



Statoil USA Onshore Properties, Inc.
Goodwin Unit 2-1 & 2-3 Facility
Harrison County, West Virginia
Topographical Evacuation Route Map
39.37000° N / 80.52242° W

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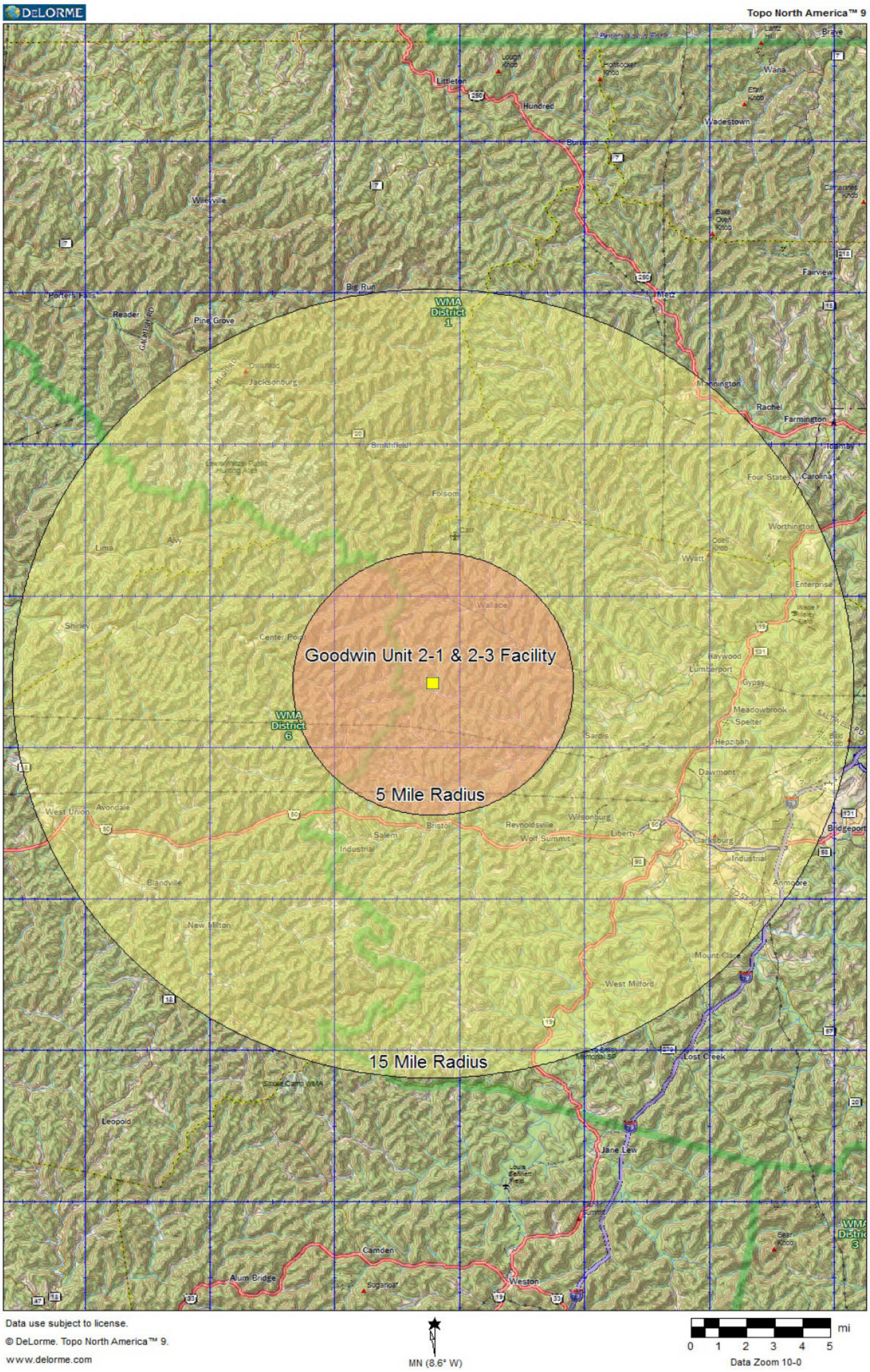


Statoil USA Onshore Properties, Inc.
Goodwin Unit 2-1 & 2-3 Facility
Harrison County, West Virginia
Topographical Impact Radius Map
39.37000° N / 80.52242° W

FACILITY: PAW PAW 4 FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Marion County, West Virginia
7. Latitude: 39.58019° N	**Longitude:** 80.23142° W	**8. Field:**	Marcellus
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Marion County, West Virginia. From the town of Fairmont, West Virginia, travel northwest on US-19 S/US-250 N for approximately 7.2 miles. Turn right onto Main St/W Virginia 218 and travel approximately 6.1 miles. Turn right onto County Road 17/Paw Paw Creek Road and travel approximately 0.4 miles. Take a slight right onto Reeses Run Road and travel approximately 479 feet. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Paw Paw 4 Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 210 barrel brine/produced water storage tanks. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/produced fluids and 80 mcf of natural gas.

Brine/produced water is transported from this facility via truck. Natural gas is sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

293 feet southwest of Paw Paw Creek.

E. CONTRIBUTING WELLS:

WELL NAME	API#	TOWNSHIP
Paw Paw 4	47-049-02038	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, East, South, and West	No
Storage Tanks	Rupture, leak, corrosion	19,740	8,820	Northeast, Southeast, and Northwest	Yes
Storage Tank	Rupture, leak, corrosion	500	500	North	No
Chemical Storage Tank	Rupture, leak, corrosion	55	55	North	No
Process Equipment	Rupture, leak, corrosion	1,329.72	-	North	No

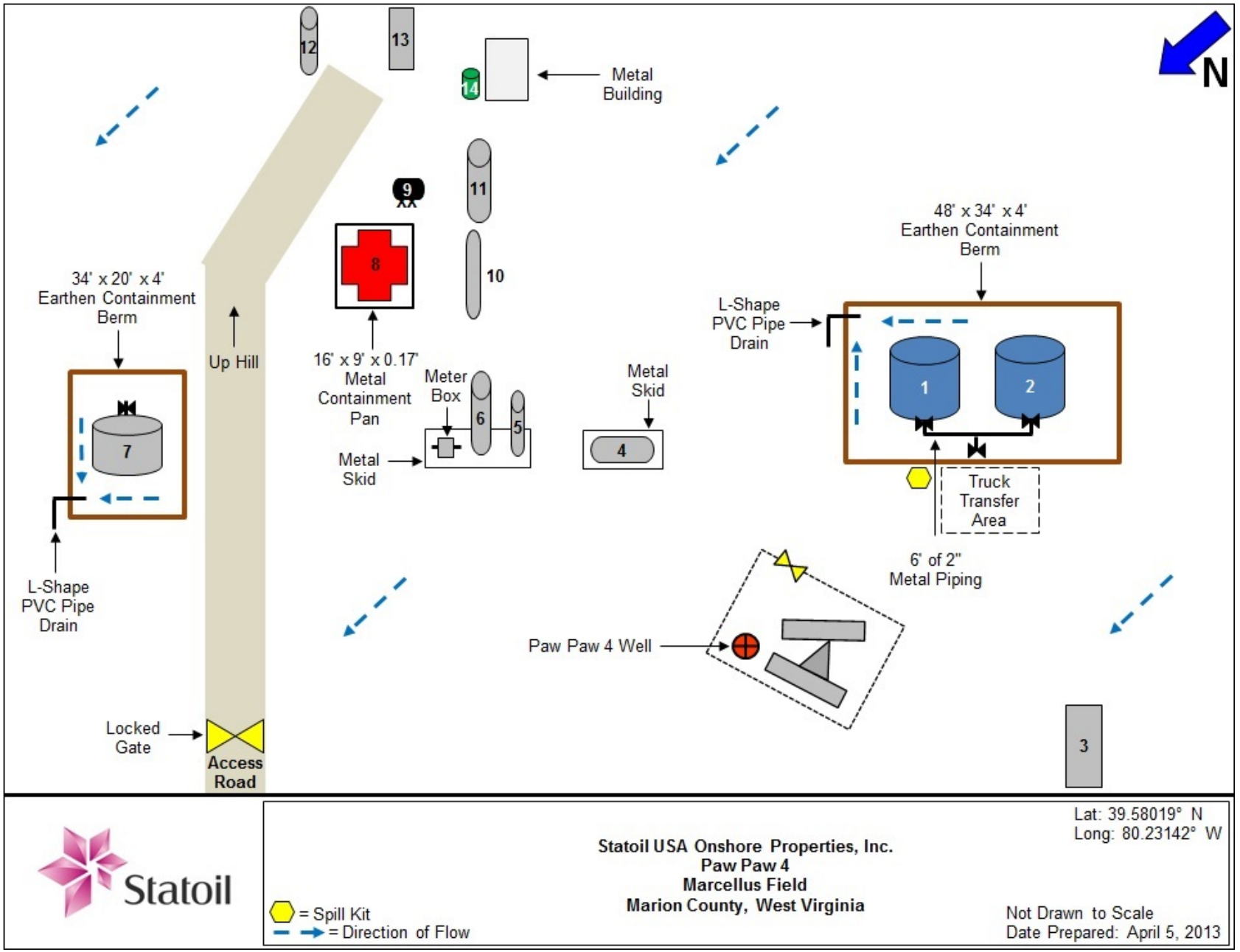
G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Produced Fluids Storage Tank	210	-
2	Brine/Produced Fluids Storage Tank	210	-
3	Out of Service Equipment	-	-
4	Heater	13.43	48" x 6'
5	Filter	0.39	9" x 5'
6	Separator	3.36	24" x 6'
7	Compressor Slop Storage Tank	50	-
8	Compressor	-	-
9	Citgo SAE 15W-40 Motor Oil Storage Tank	500 gallons	-
10	Pulsation Bottle	7.38	20" x 19'
11	Separator	12.59	36" x 10'
12	Separator	1.89	18" x 6'

FACILITY: PAW PAW 4 FACILITY

G. EQUIPMENT LIST (CONTINUED):

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
13	Header	-	-
14	Methanol Storage Drum	55 gallons	-



(2) 210 Barrel Brine/Produced Fluids Storage Tanks

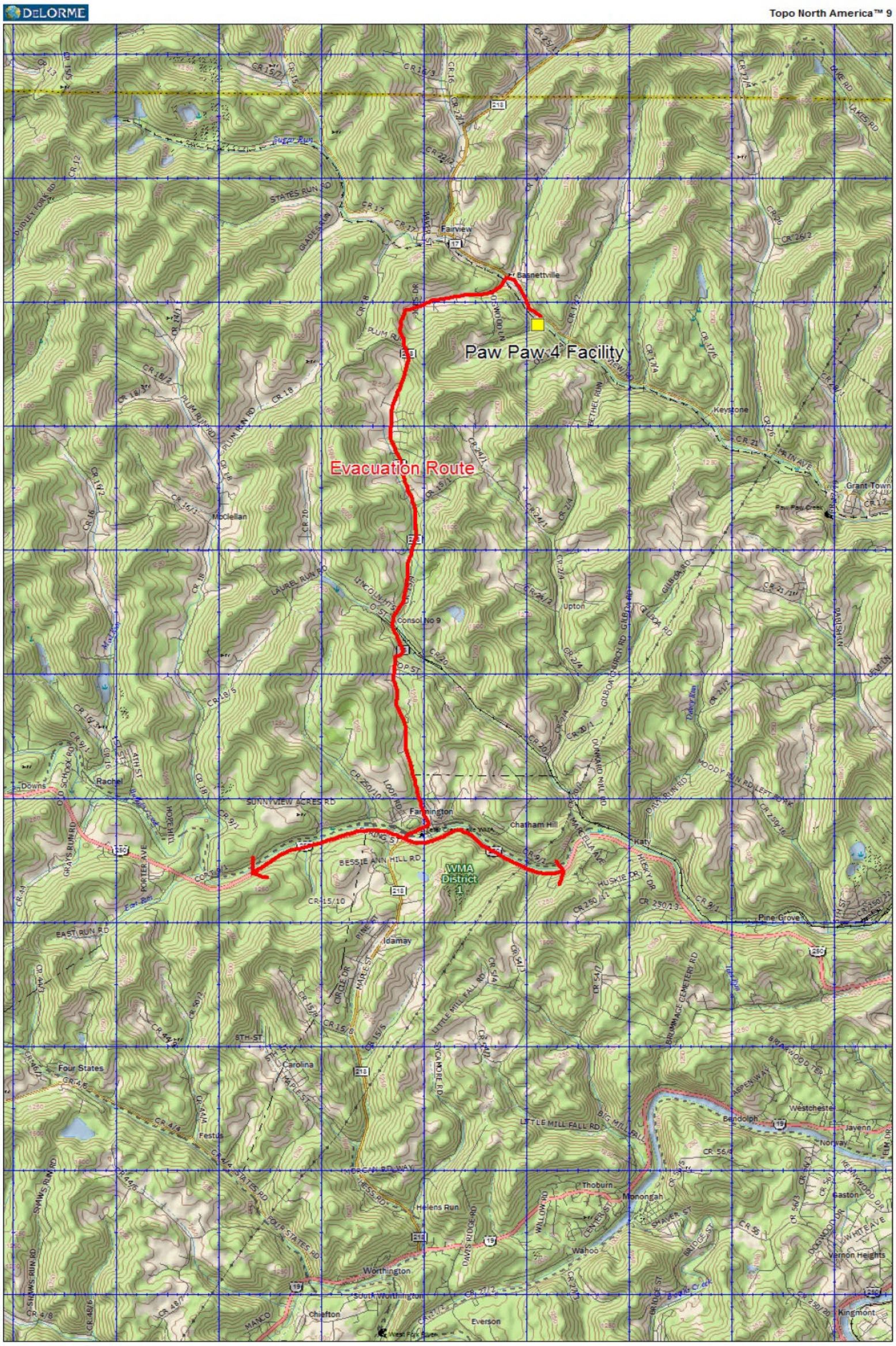
Heater

Compressor and 500 Gallon Citgo SAE 15W-40 Motor Oil Storage Tank

50 Barrel Compressor Slop Storage Tank

Separator

Paw Paw 4 Well



Statoil USA Onshore Properties, Inc.
Paw Paw 4 Facility
Marion County, West Virginia
Topographical Evacuation Route Map
39.58019° N / 80.23142° W

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Paw Paw 4 Facility

5 Mile Radius

15 Mile Radius

WMA District 1

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MN (8.9° W)

0 1 2 3 4 5 mi

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Statoil USA Onshore Properties, Inc.
Paw Paw 4 Facility
Marion County, West Virginia
Topographical Impact Radius Map
39.58019° N / 80.23142° W

FACILITY: PAW PAW P-3 FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Marion County, West Virginia
7. Latitude:	39.57906° N	**Longitude:**	80.23668° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Marion County, West Virginia. From the town of Fairmont, West Virginia, travel northwest on US-19 S/US-250 N for approximately 7.2 miles. Turn right onto Main St/W Virginia 218 and travel approximately 5.9 miles. Turn right onto Dogwood Lane and travel approximately 0.5 miles. Take the 2nd left onto Reeses Run Road and travel approximately 0.2 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Paw Paw P-3 Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 210 barrel brine/produced water storage tanks. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/produced fluids and 79 mcf of natural gas.

Brine/produced water is transported from this facility via truck. Natural gas is sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

2,125 feet southwest of Paw Paw Creek.

E. CONTRIBUTING WELLS:

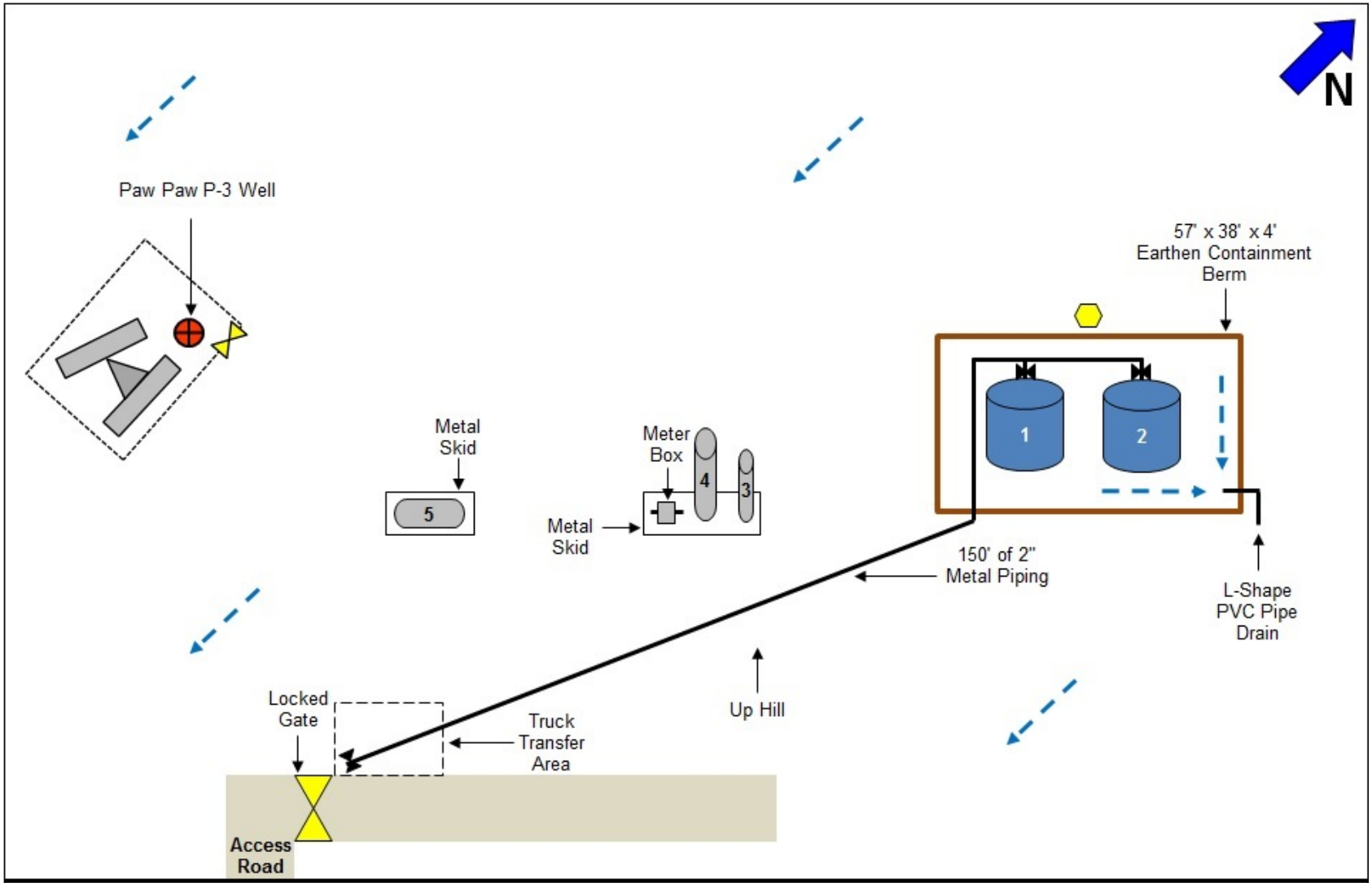
WELL NAME	API#	TOWNSHIP
Paw Paw P-3	47-049-01900	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, East, South, and West	No
Storage Tanks	Rupture, leak, corrosion	17,640	8,820	Northeast and Southeast	Yes
Process Equipment	Rupture, leak, corrosion	939.96	-	South	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Produced Fluids Storage Tank	210	-
2	Brine/Produced Fluids Storage Tank	210	-
3	Filter	0.49	10" x 5'
4	Separator	3.64	24" x 6.5'
5	Heater	22.38	48" x 10"

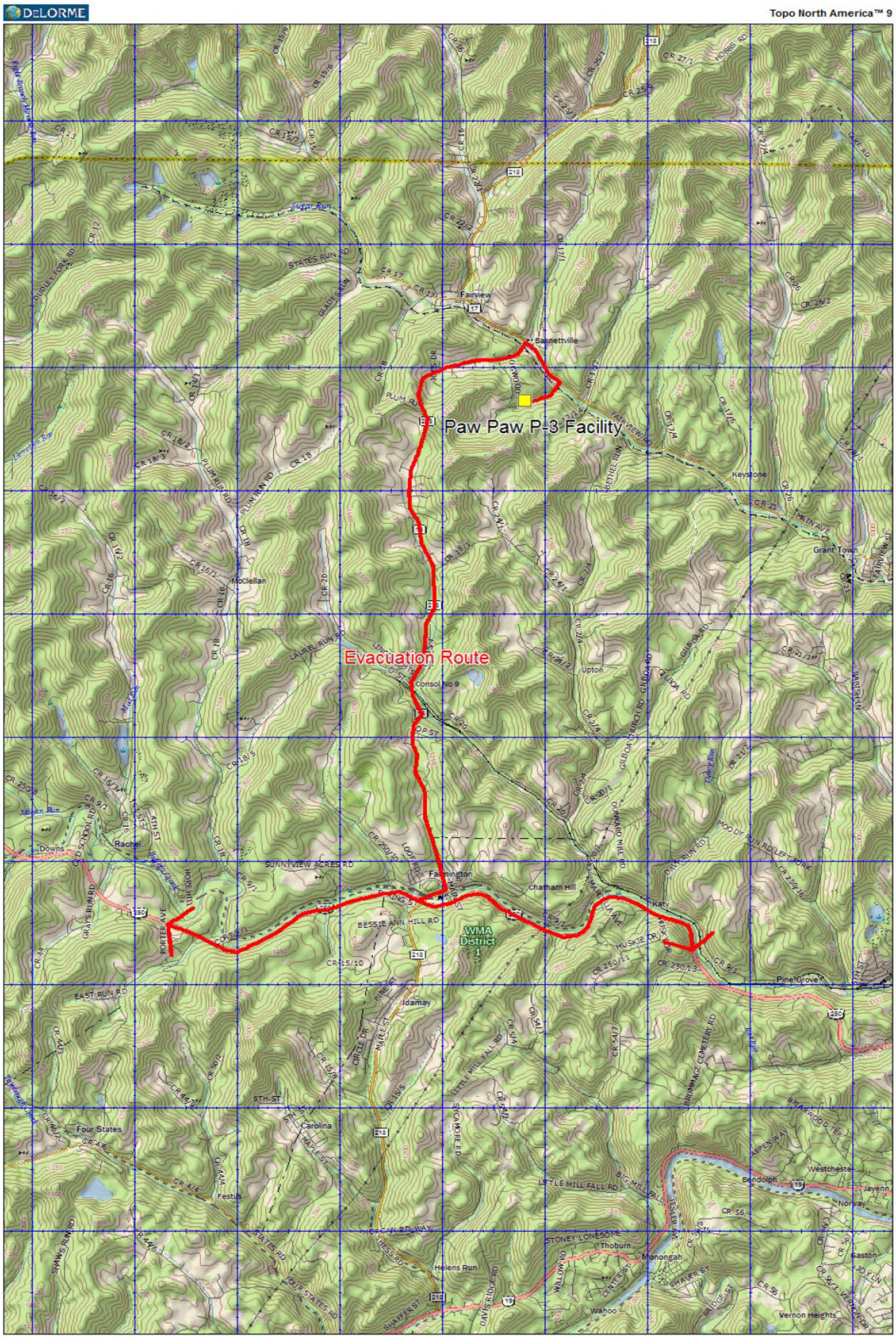


(2) 210 Barrel Brine/Produced Fluids Storage Tanks

Heater

Separator

Paw Paw P-3 Well



Statoil USA Onshore Properties, Inc.
Paw Paw P-3 Facility
Marion County, West Virginia
Topographical Evacuation Route Map
39.57906° N / 80.23668° W

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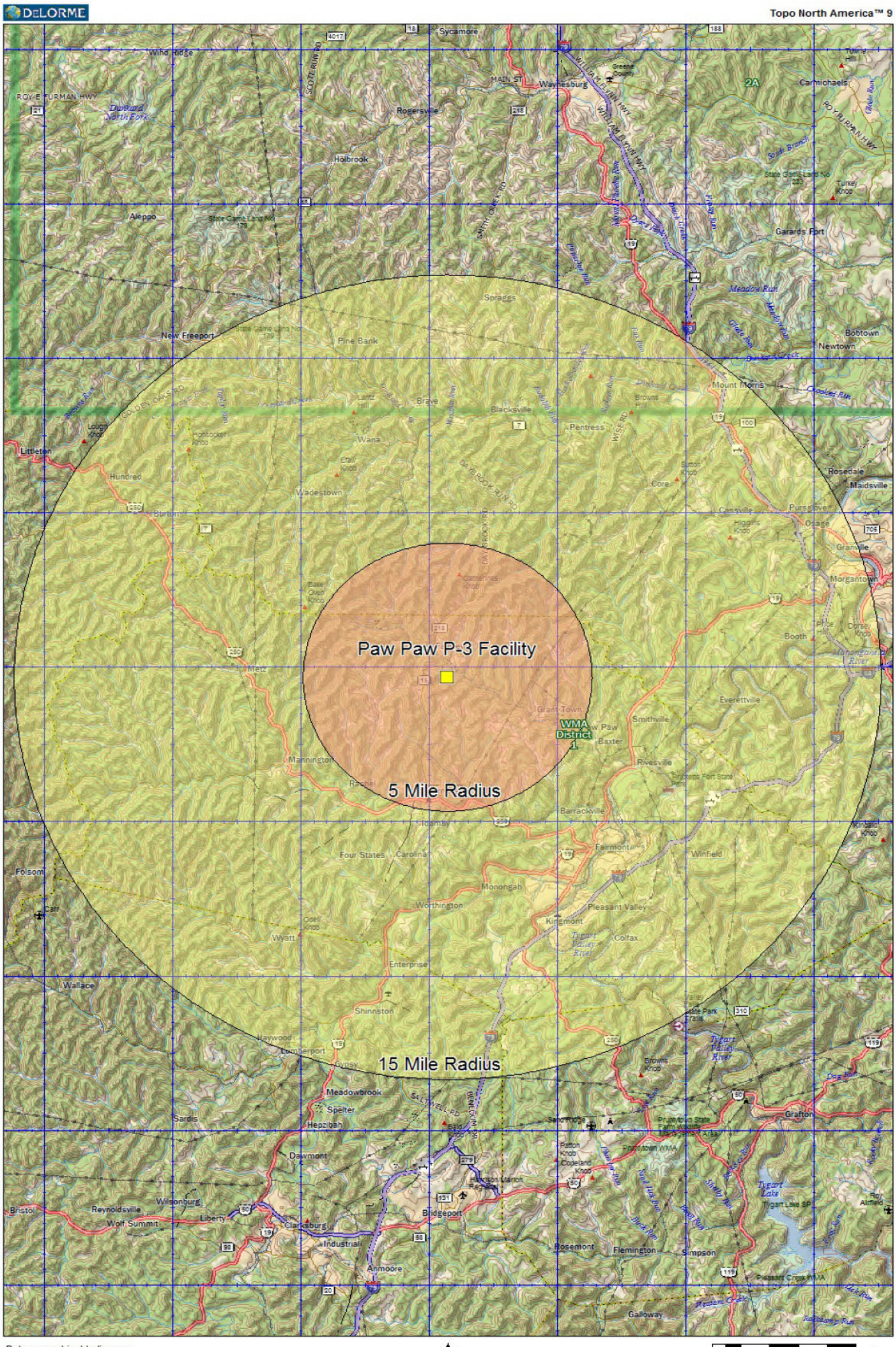


Statoil USA Onshore Properties, Inc.
Paw Paw P-3 Facility
Marion County, West Virginia
Topographical Impact Radius Map
39.57906° N / 80.23668° W

FACILITY: BALL UNIT 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Tyler County, West Virginia
7. Latitude: 39.50596° N	**Longitude:** 80.75623° W	**8. Field:**	Marcellus
9. NAICS Number: 211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.	
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Tyler County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 180 S for approximately 7.2 miles. Turn left onto County Road 11/6 and travel approximately 0.4 miles. Continue onto County Route 11/Elk Fork Road and travel approximately 8.0 miles. Turn right onto County Road 42 and travel approximately 0.9 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Ball Unit 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 400 barrel condensate storage tanks, (1) 400 barrel empty storage tank, (2) 100 barrel empty storage tanks. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of condensate and 0 mcf of natural gas.

Condensate is transported from this facility via truck. Natural gas is sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

842 feet south of Daniels Run.

E. CONTRIBUTING WELLS:

WELL NAME	API#	TOWNSHIP
Ball Unit 1H	47-095-02032	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	58,800	16,800	Southwest	Yes
Storage Tanks	Rupture, leak, corrosion	1,040	520	Southwest	No
Chemical Storage Tanks	Rupture, leak, corrosion	740	520	Southwest	No
Process Equipment	Rupture, leak, corrosion	2,820.30	-	Southwest	No

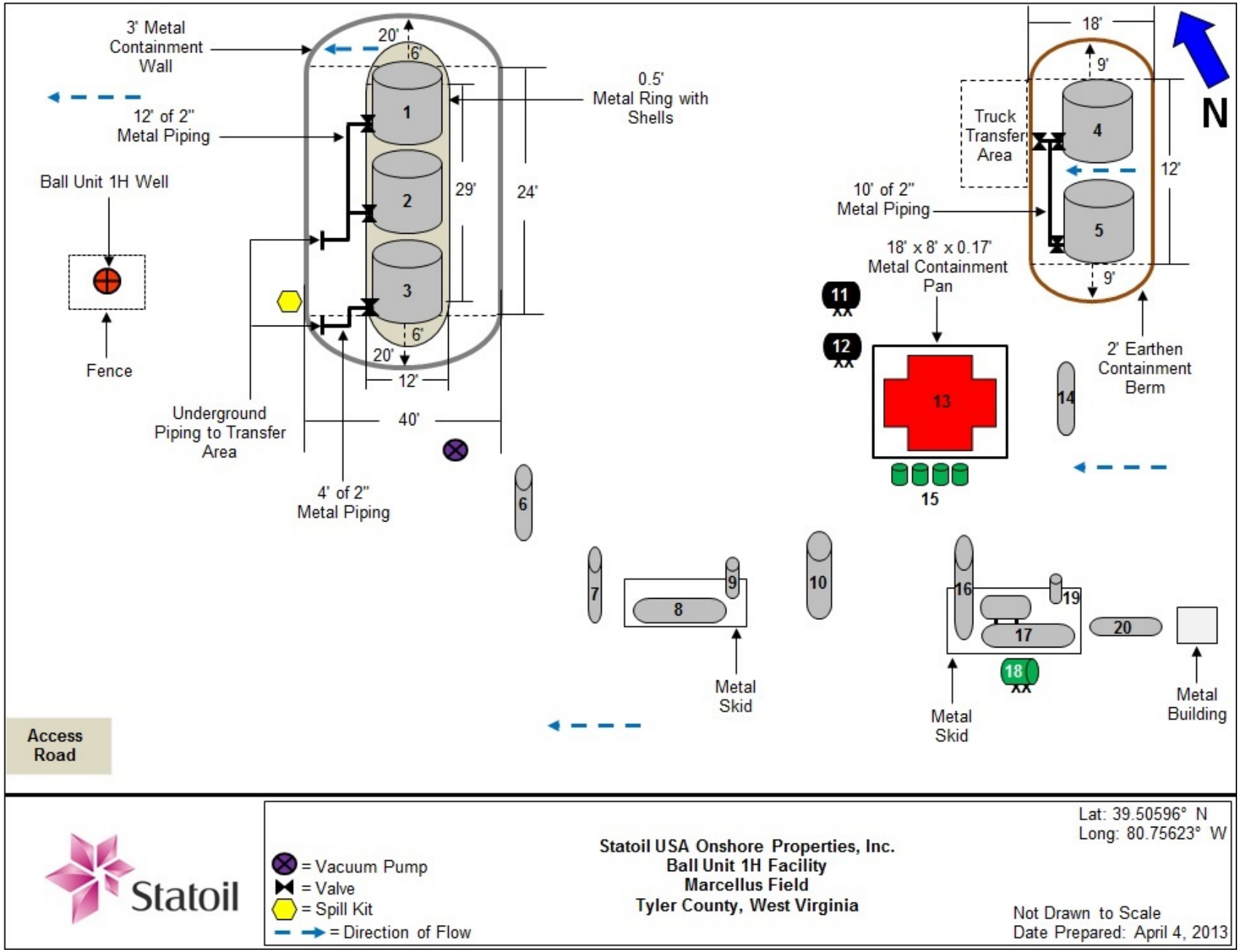
G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Condensate Storage Tank	400	-
2	Condensate Storage Tank	400	-
3	Empty Storage Tank	400	-
4	Empty Storage Tank	100	-
5	Empty Storage Tank	100	-
6	Separator	8.74	30" x 10'
7	Sand Separator	3.89	20" x 10'
8	GPU	5.59	24" x 10'
9	Fuel Gas Pot	0.70	12" x 5'
10	Scrubber	12.59	36" x 10'
11	Pacemaker Gas Engine Oil 1640 Storage Tank	520 gallons	-
12	Citgo Compressor Oil 35 EP Storage Tank	520 gallons	-
13	Compressor	-	-

FACILITY: BALL UNIT 1H FACILITY

G. EQUIPMENT LIST (CONTINUED):

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
14	Filter	1.12	12" x 8'
15	(4) Intercool OP-100N-50 Storage Drums	55 gallons/each	-
16	Contact Tower	21.86	30" x 25'
17	Glycol Dehydration Unit	3.50/ 8.74	30" x 4'/ 30" x 10'
18	Inhibited-Triethylene Glycol Storage Tank	520 gallons	-
19	Fuel Gas Pot	0.19	10" x 2'
20	Separator	1.12	12" x 8'



(2) 400 Barrel Condensate Storage Tanks and (1) 400 Barrel Empty Storage Tank

(2) 100 Barrel Empty Storage Tanks

Compressor

Glycol Dehydration Unit and Contact Tower

520 Gallon Inhibited-Triethylene Glycol Storage Tank

520 Gallon Pacemaker Gas Engine Oil 1640 Storage Tank and 520 Gallon Citgo Compressor Oil Storage Tank

Separator

Sand Separator and GPU

Scrubber

Ball Unit 1H Well

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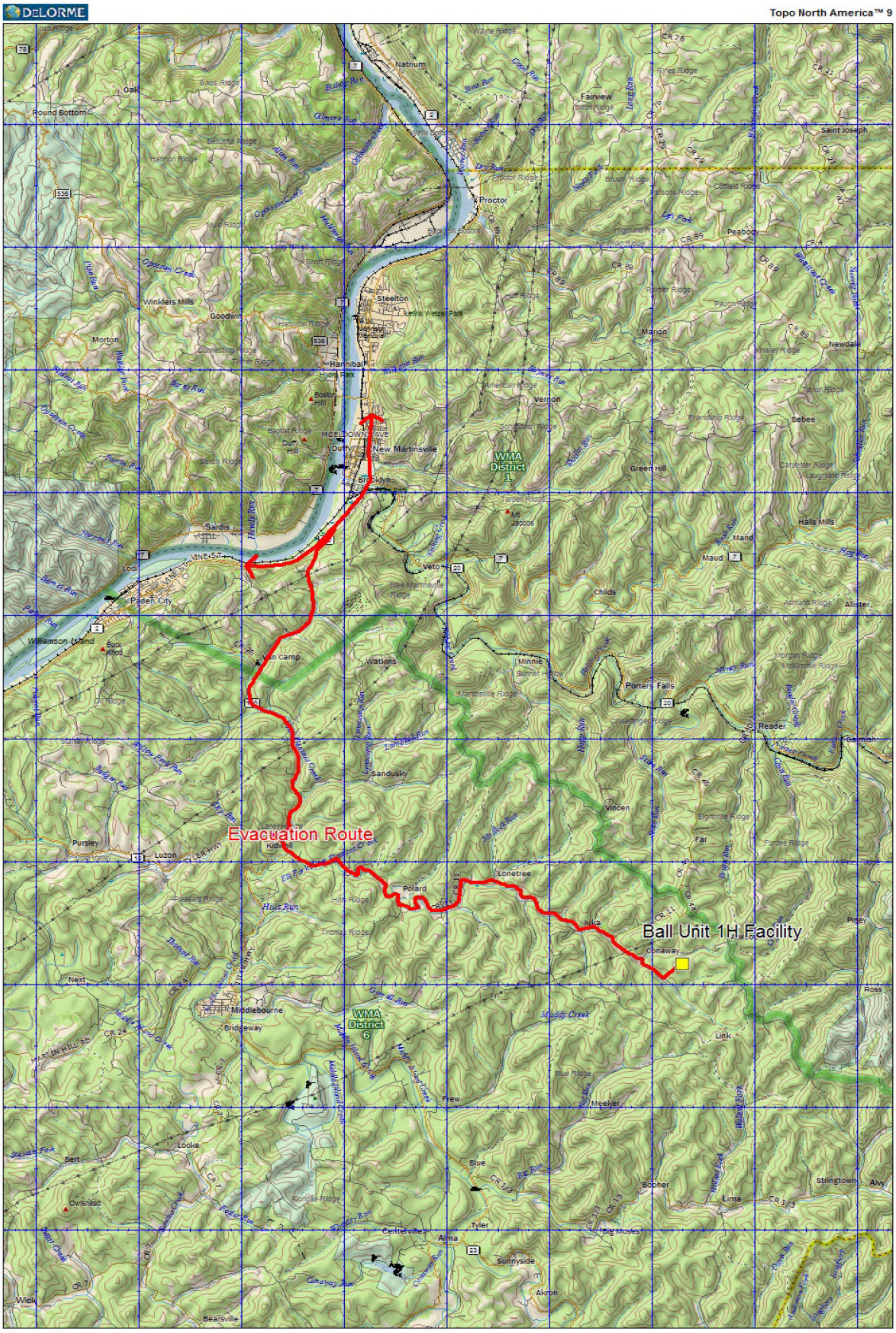

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MN (8.5° W)

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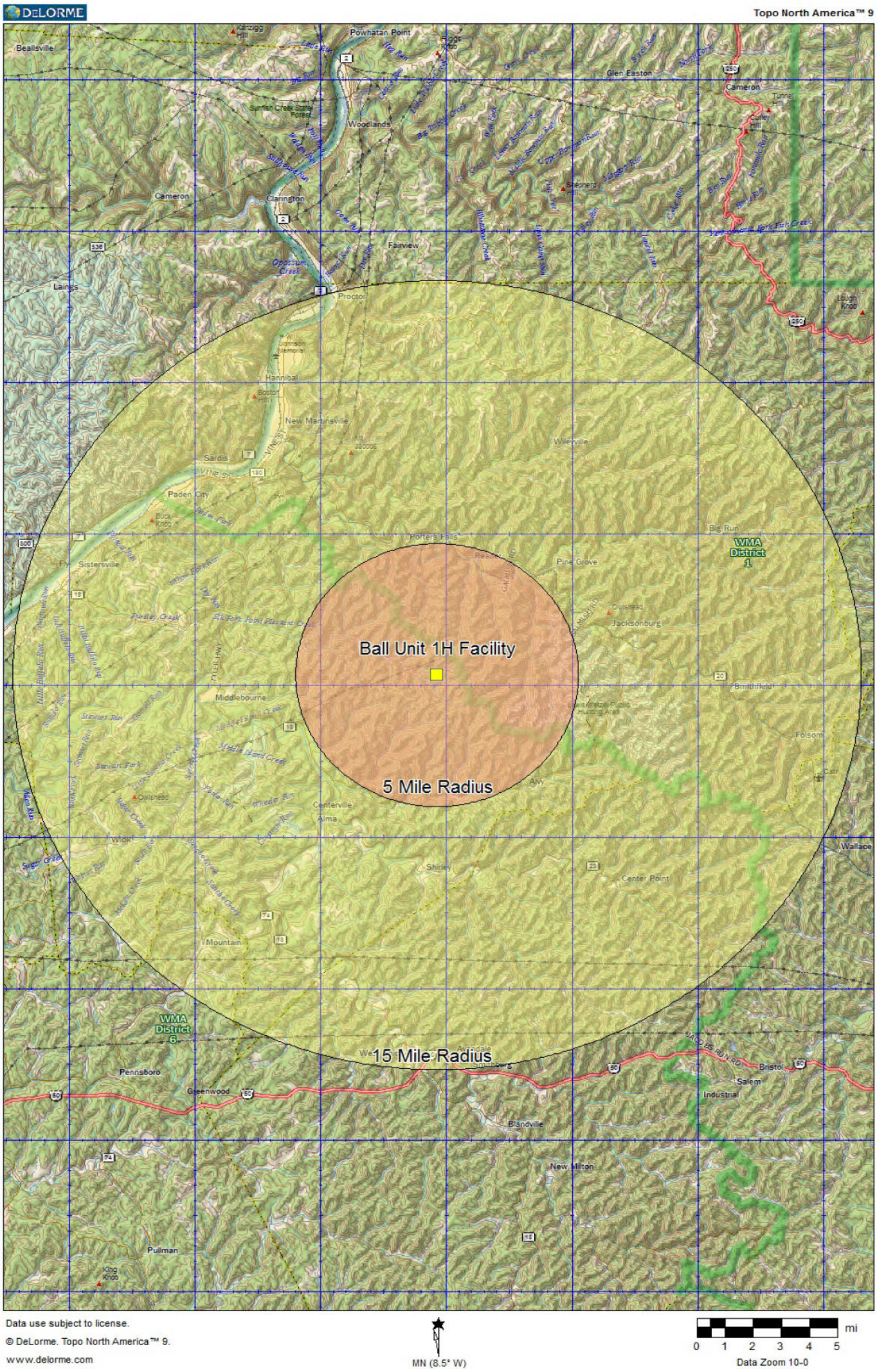
Data Zoom 11-0

Statoil USA Onshore Properties, Inc.
Ball Unit 1H Facility
Tyler County, West Virginia
Topographical Evacuation Route Map
39.50596° N / 80.75623° W



Statoil USA Onshore Properties, Inc.
Ball Unit 1H Facility
Tyler County, West Virginia
Topographical Impact Radius Map
39.50596° N / 80.75623° W

FACILITY: CHARLES MUSGRAVE 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude: 39.67843° N	**Longitude:** 80.59754° W	**8. Field:**	Marcellus
9. NAICS Number: 211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.	
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?		No	

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel north on W Virginia 2 N/3rd Street for approximately 5.5 miles. Turn right onto County Road 89/Proctor Creek Road and travel approximately 15.8 miles. Turn right onto Allen Ridge Road/County Road 24 and travel approximately 1.9 miles. Take a slight left onto County Road 24/1 and travel approximately 0.8 miles. Turn left onto a rural road and travel approximately 0.8 miles. The facility will be on the right.

C. FACILITY DESCRIPTION:

The Charles Musgrave 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 300 brine/oil storage tanks and (1) 100 barrel sand separator dump tank. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 723 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

1,561 feet southeast of an unnamed stream, which flows into Rocky Run.

E. CONTRIBUTING WELLS:

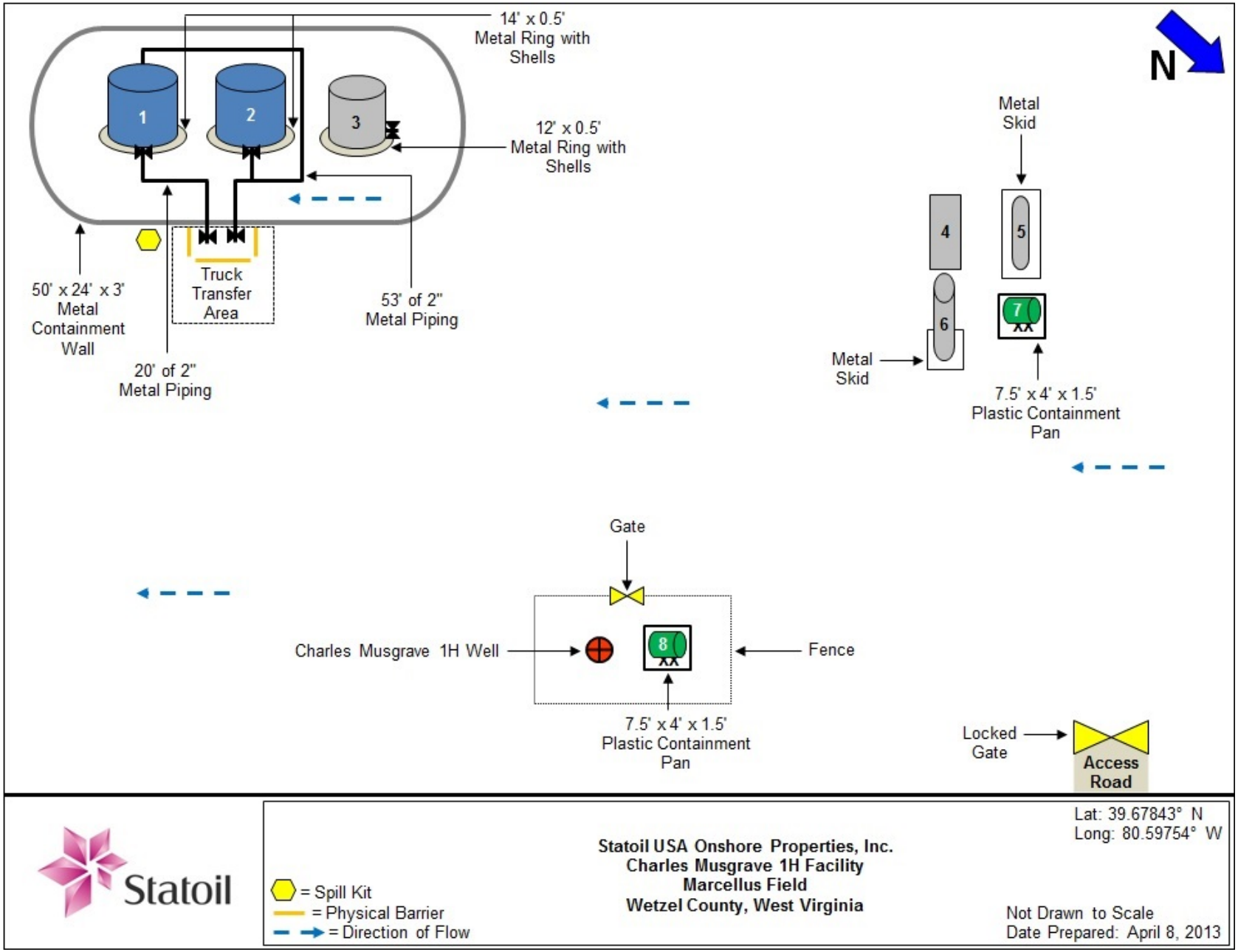
WELL NAME	API#	TOWNSHIP
Charles Musgrave 1H	47-103-02647	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	29,400	12,600	Southeast	Yes
Chemical Storage Tank	Rupture, leak, corrosion	660	330	Southeast	Yes
Process Equipment	Rupture, leak, corrosion	657.72	-	Southeast	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	Sand Separator Dump Tank	100	-
4	GPU	5.59	24" x 10'
5	SPU	4.48	24" x 8'
6	Sand Separator	5.59	24" x 10'
7	MC SS-5189 Methanol Storage Tank	330 gallons	-
8	MC SS-5189 Methanol Storage Tank	330 gallons	-



(2) 300 Barrel Brine/Oil Storage Tanks and (1) 100 Barrel Sand Separator Dump Tank

GPU, Sand Separator, SPU, and 330 Gallon MC SS-5189 Methanol Storage Tank

330 Gallon MC SS-5189 Methanol Storage Tank

Charles Musgrave 1H Well

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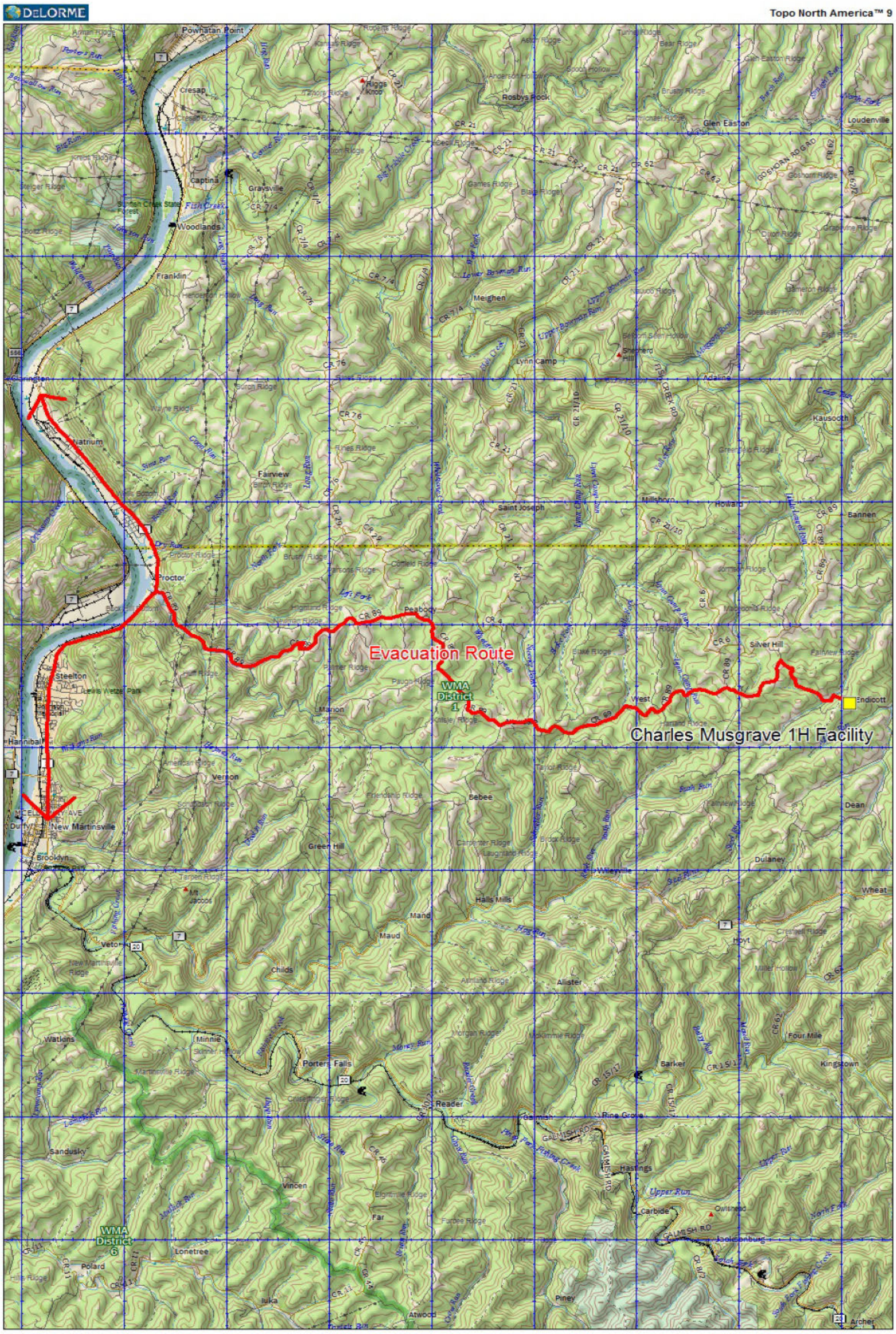

Statoil USA Onshore Properties, Inc.
Charles Musgrave 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.67843° N / 80.59754° W

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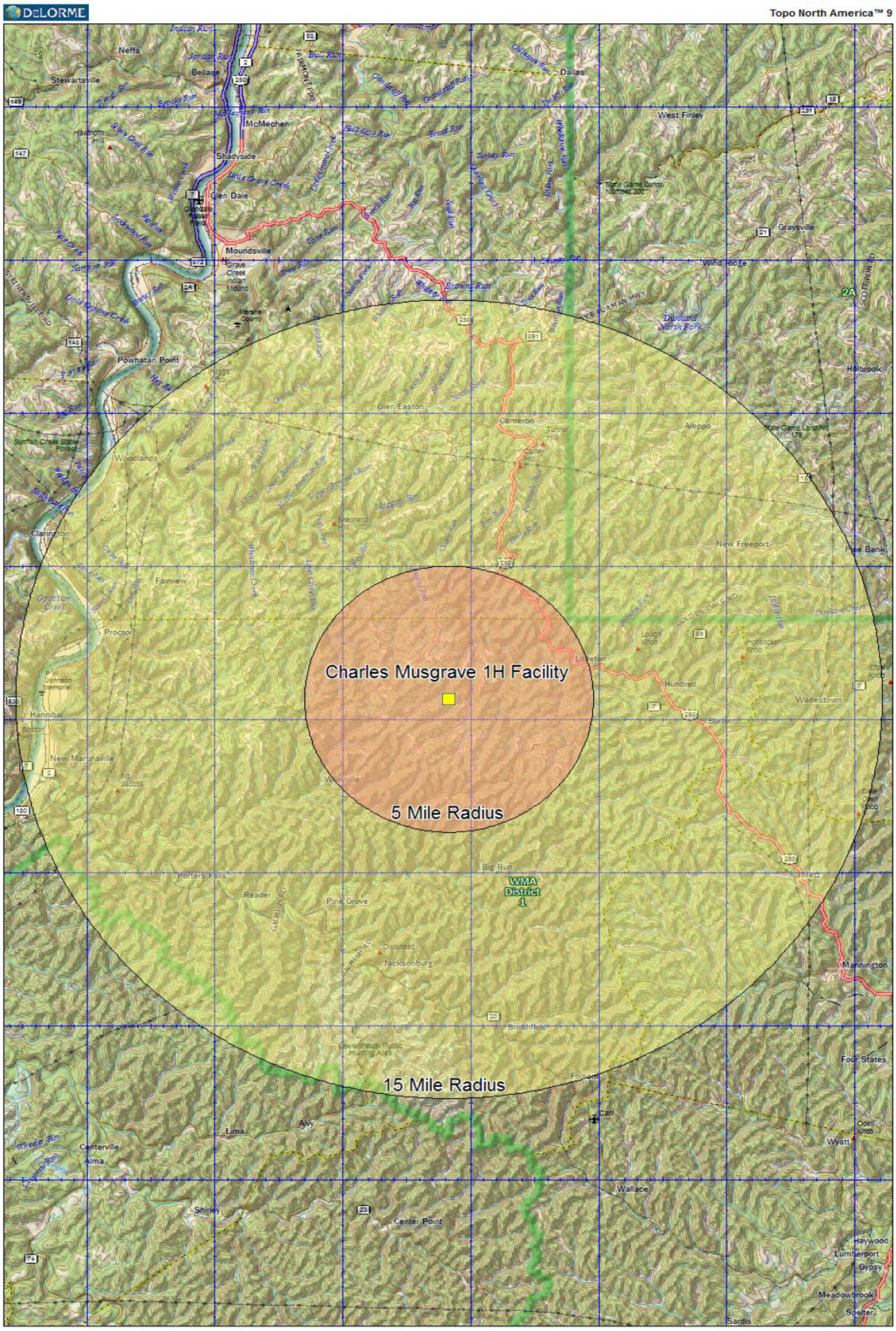

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MN (8.6° W)

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Data Zoom 10-0

Statoil USA Onshore Properties, Inc.
Charles Musgrave 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.67843° N / 80.59754° W

FACILITY: GREEN DOT UNIT II 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude: 39.68276° N	**Longitude:** 80.54770° W	**8. Field:**	Marcellus
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?			No

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 24.1 miles. Take a sharp left onto County Road 7/14 and travel approximately 0.4 miles. Take a slight right onto County Road 9/1 and travel approximately 0.3 miles. Take a slight left onto County Road 9/1 and travel approximately 0.7 miles. Turn left onto County Road 9/1 and travel approximately 1.1 miles. Take the 1st right onto County Road 9/2 and travel approximately 0.1 miles. Take a slight left onto County Road 9/2 and travel approximately 0.4 miles. The facility will be on the right.

C. FACILITY DESCRIPTION:

The Green Dot Unit II 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 300 barrel brine/oil storage tanks and (1) 100 barrel sand separator dump tank. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 0 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

910 feet southwest of an unnamed stream, which flows into Knob Fork.

E. CONTRIBUTING WELLS:

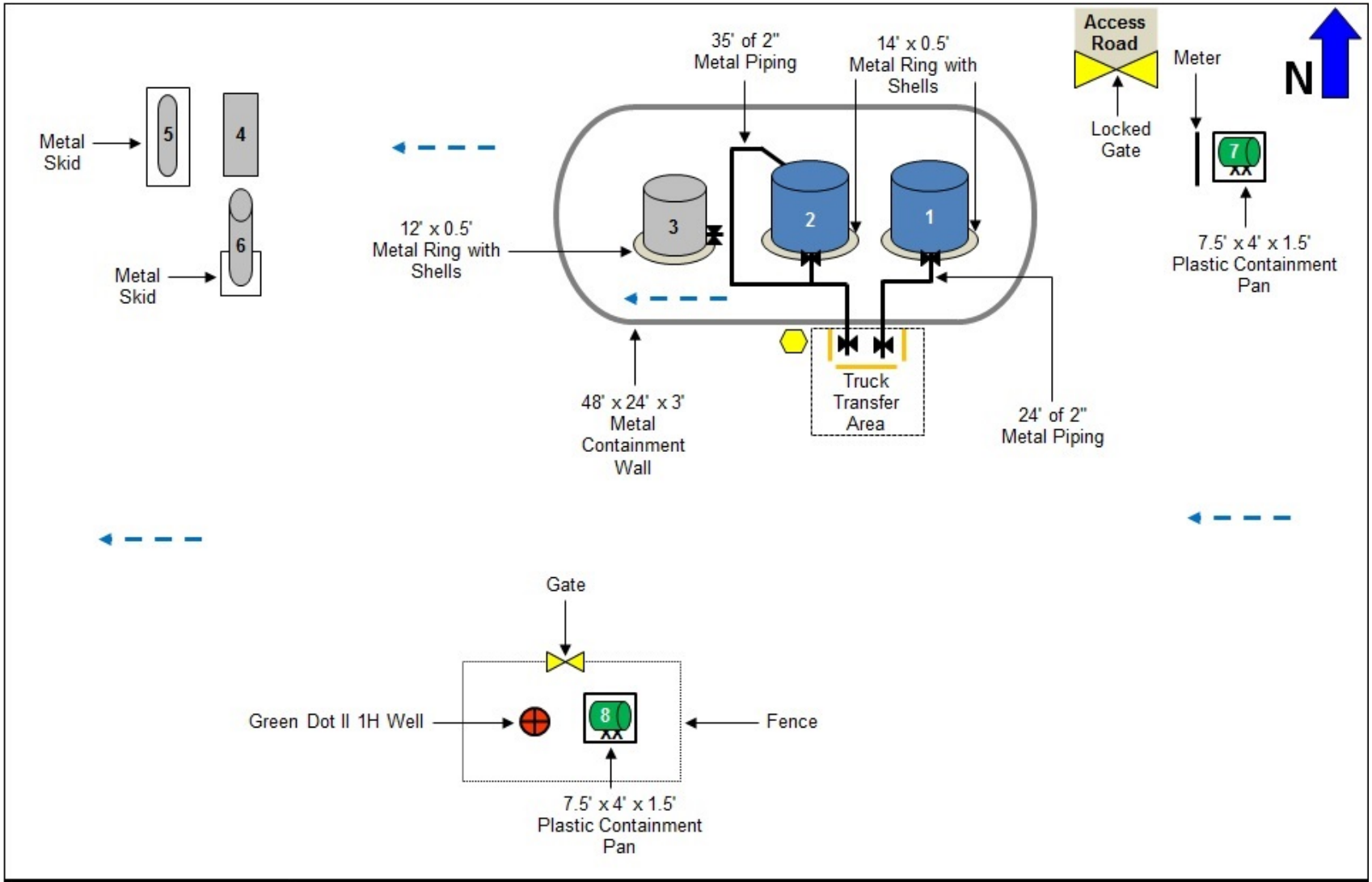
WELL NAME	API#	TOWNSHIP
Green Dot Unit II 1H	47-103-02661	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	29,400	12,600	West	Yes
Chemical Storage Tank	Rupture, leak, corrosion	660	330	West	Yes
Process Equipment	Rupture, leak, corrosion	657.72	-	West	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	Sand Separator Dump Tank	100	-
4	GPU	5.59	24" x 10'
5	SPU	4.48	24" x 8'
6	Sand Separator	5.59	24" x 10'
7	MC SS-5189 Methanol Storage Tank	330 gallons	-
8	MC MX 5-2027 Anti-Agglomerate Hydrate Inhibitor Storage Tank	330 gallons	-



(1) 100 Barrel Sand Separator Dump Tank and (2) 300 Barrel Brine/Oil Storage Tanks

Sand Separator, SPU, and GPU

330 Gallon MC MX 5-2027 Anti-Agglomerate Hydrate Inhibitor Storage Tank

Green Dot Unit II 1H Well

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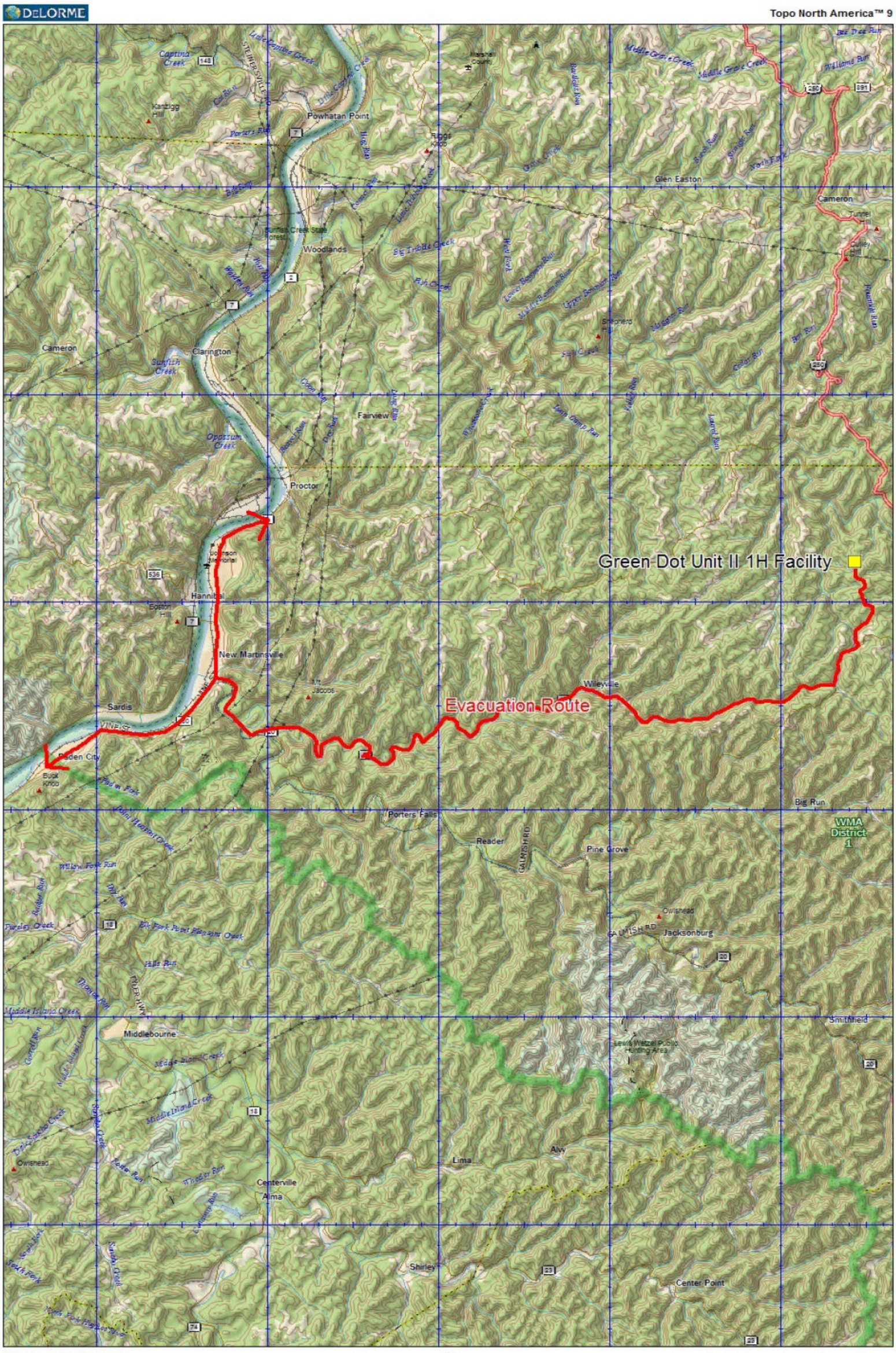
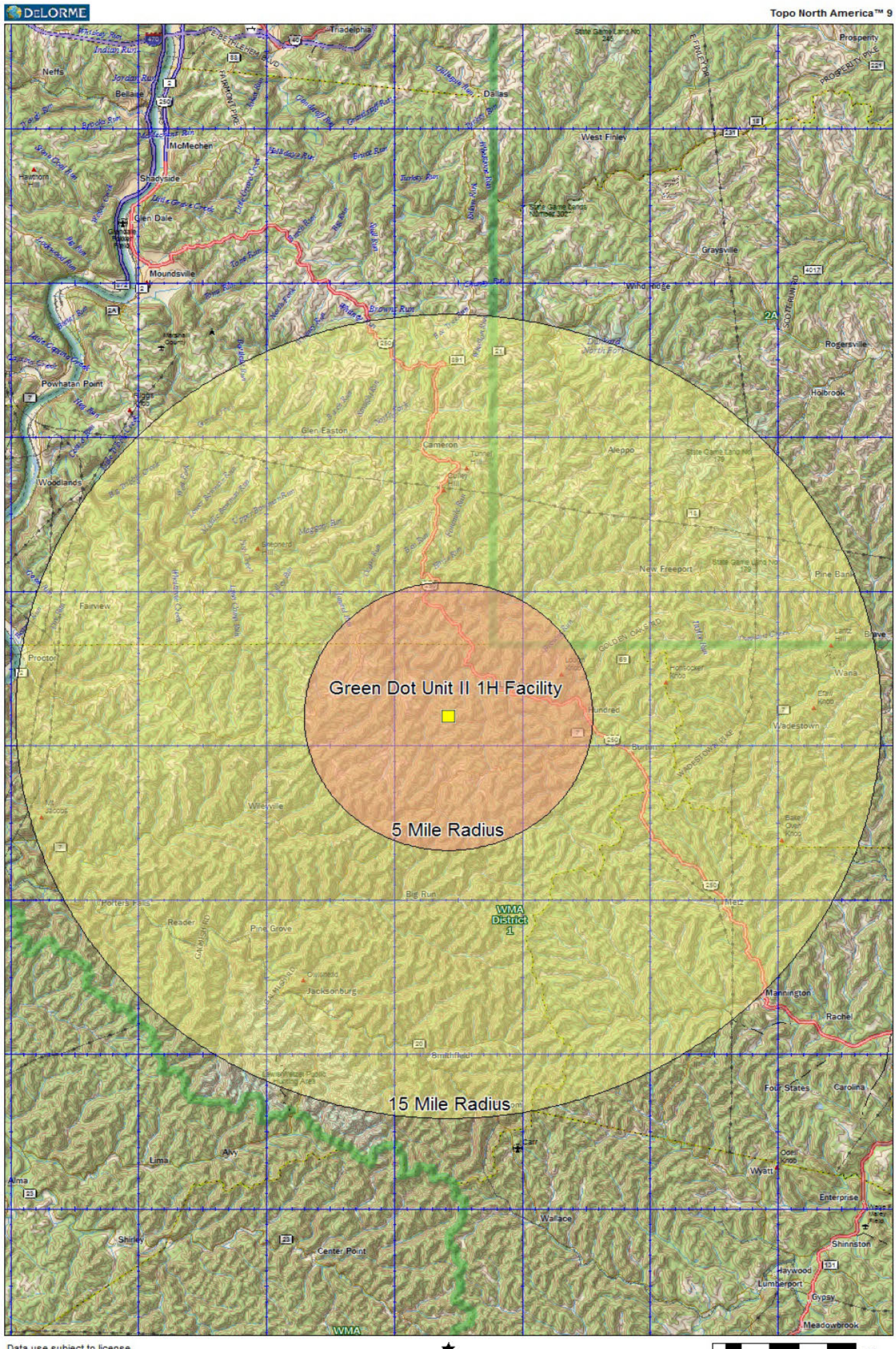


Statoil USA Onshore Properties, Inc.
Green Dot Unit II 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.68276° N / 80.54770° W



Statoil USA Onshore Properties, Inc.
Green Dot Unit II 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.68276° N / 80.54770° W

FACILITY: JAMES SIZEMORE 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude:	39.64566° N	**Longitude:**	80.52942° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 25.5 miles. Take a sharp right onto Anthem Road and travel approximately 0.4 miles. The facility will be on the right.

C. FACILITY DESCRIPTION:

The James Sizemore 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 300 barrel brine/oil storage tanks. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 505 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

180 feet west of an unnamed stream, which flows into Sugar Run.

E. CONTRIBUTING WELLS:

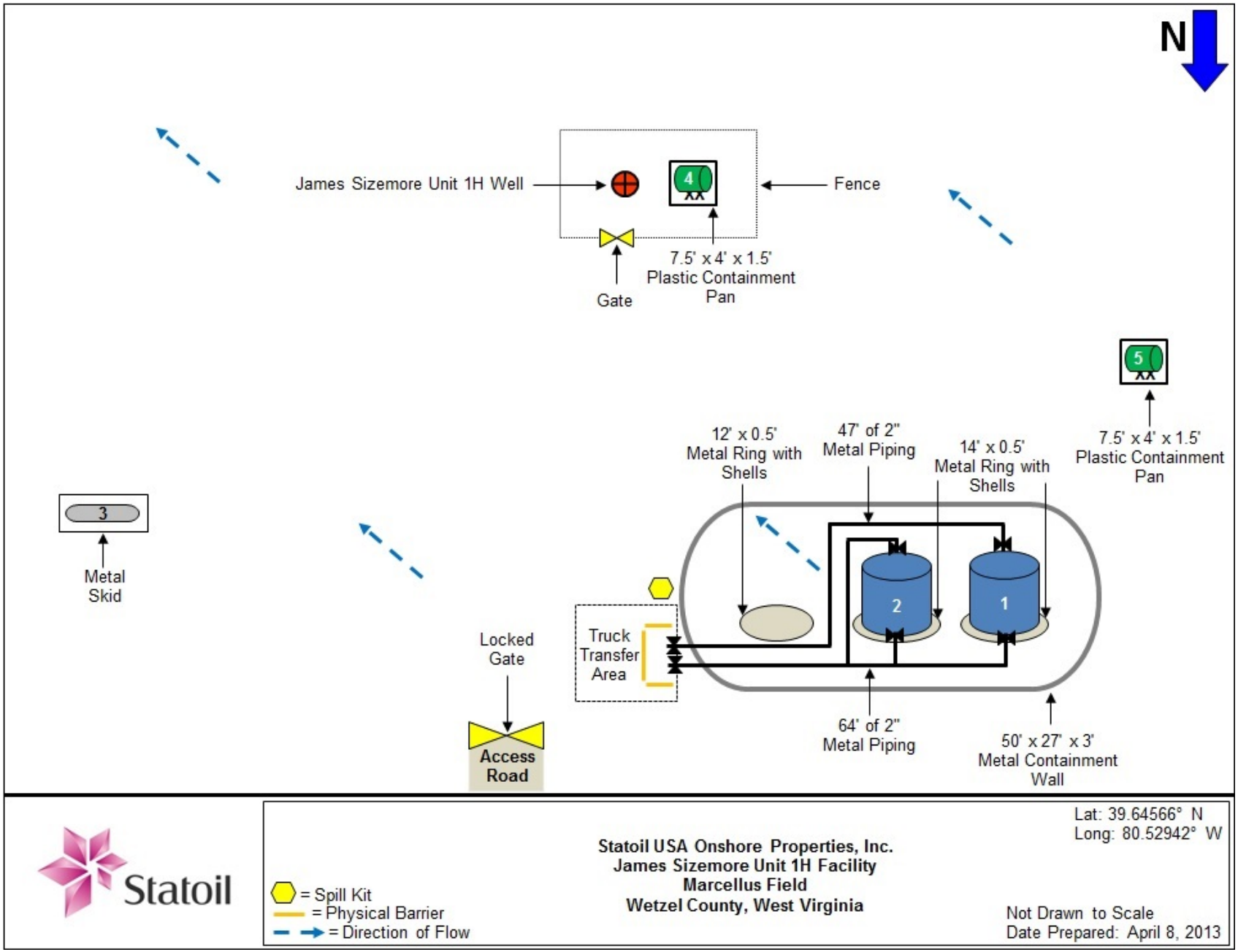
WELL NAME	API#	TOWNSHIP
James Sizemore 1H	47-103-02580	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	25,200	12,600	Southeast	Yes
Chemical Storage Tanks	Rupture, leak, corrosion	660	330	Southeast	Yes
Process Equipment	Rupture, leak, corrosion	188.16	-	Southeast	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	GPU	4.48	24" x 8'
4	MC SS-5189 Methanol Storage Tank	330 gallons	-
5	MC SS-5189 Methanol Storage Tank	330 gallons	-

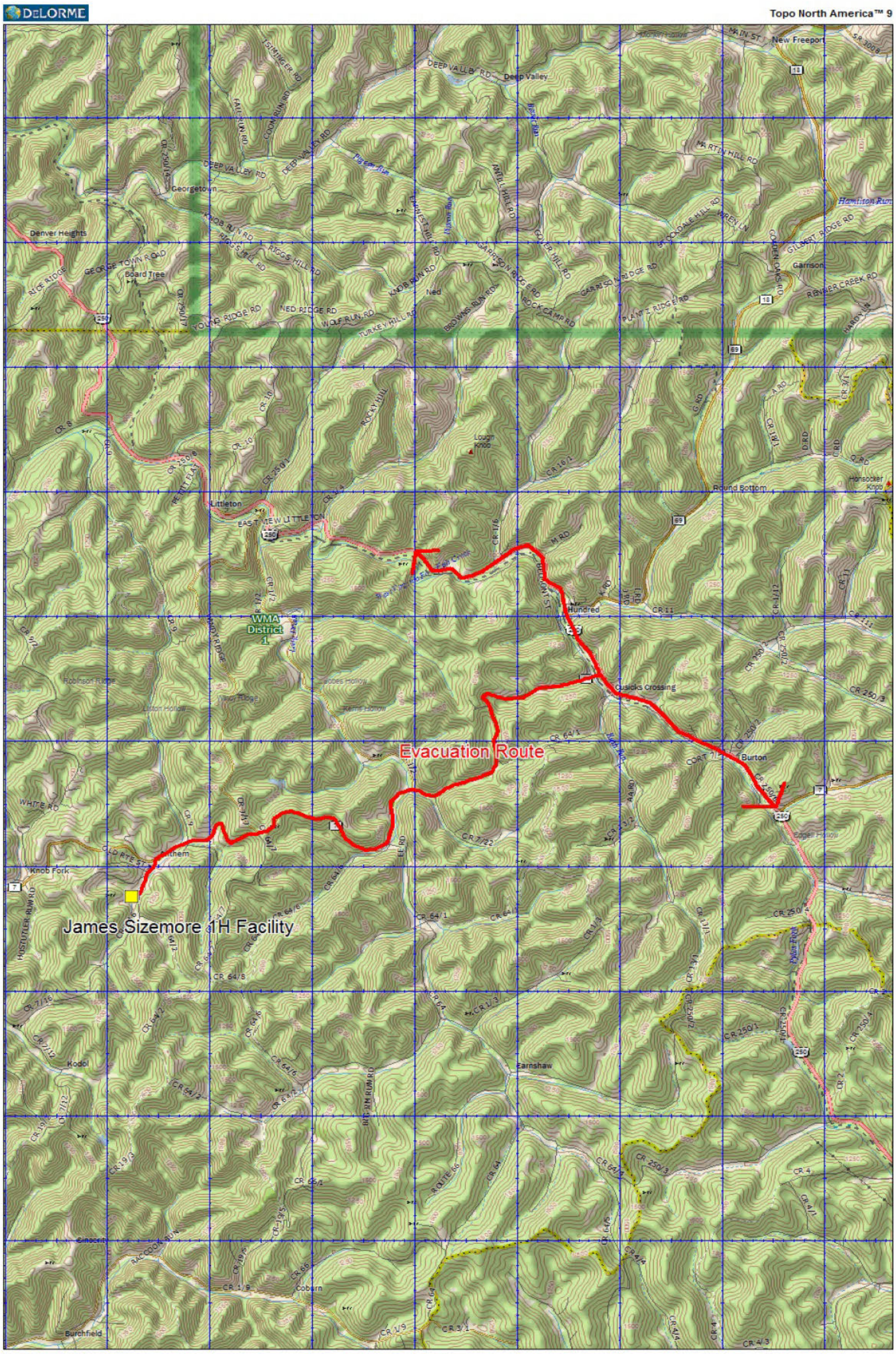


(2) 300 Barrel Brine/Oil Storage Tanks

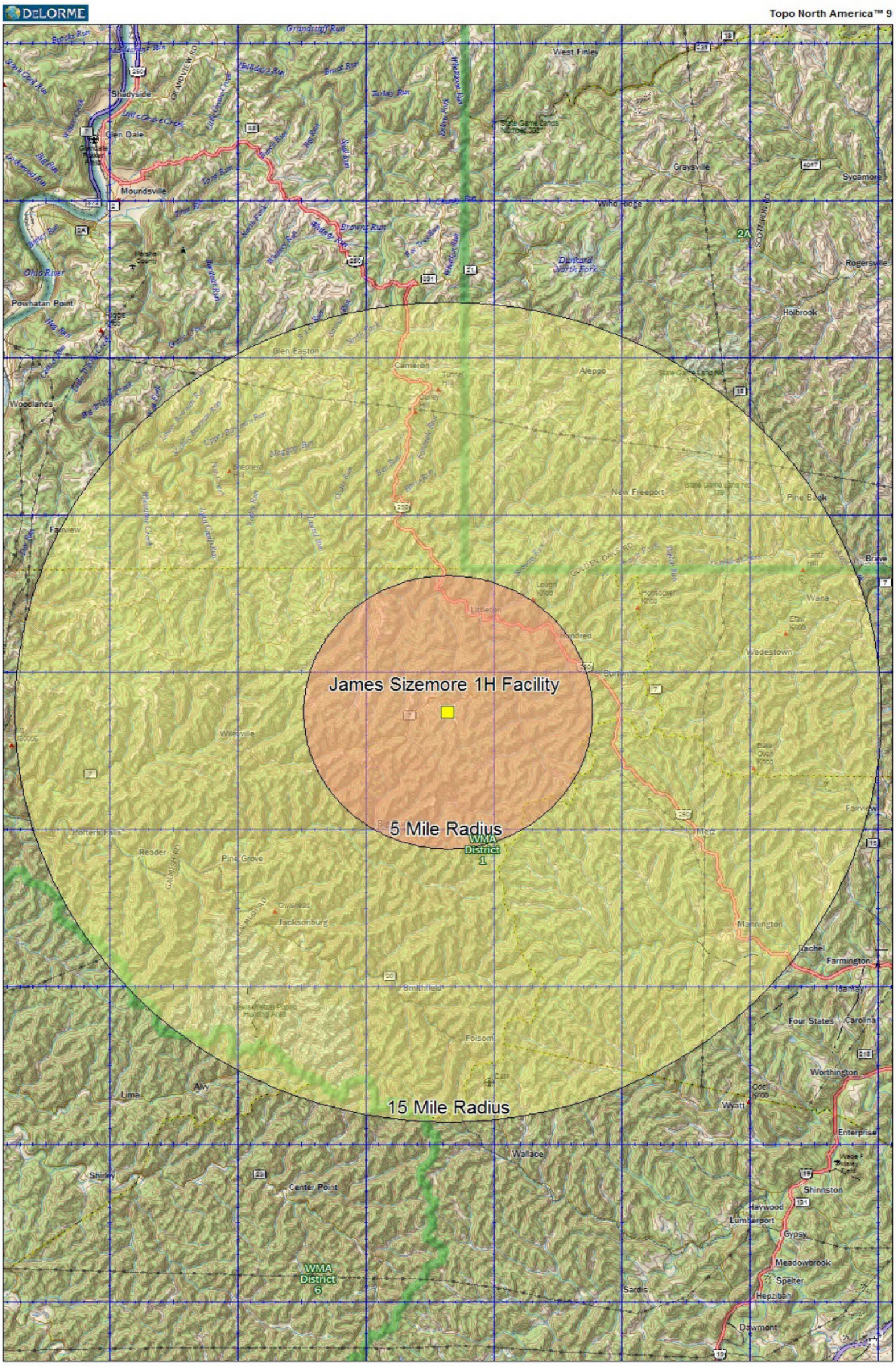
330 Gallon MC SS-5189 Methanol Storage Tank

GPU

330 Gallon MC SS-5189 Methanol Storage Tank and James Sizemore 1H Well



Statoil USA Onshore Properties, Inc.
James Sizemore 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.64566° N / 80.52942° W



Statoil USA Onshore Properties, Inc.
James Sizemore 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.64566° N / 80.52942° W

FACILITY: JOE JOLLIFFE UNIT 1 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude: 39.64690° N	**Longitude:** 80.55630° W	**8. Field:**	Marcellus
9. NAICS Number: 211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.	
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 23.6 miles. The facility will be on the right.

C. FACILITY DESCRIPTION:

The Joe Jolliffe Unit 1 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 300 barrel brine/oil storage tanks and (1) 100 barrel sand separator dump tank. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 752 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

868 feet northwest of Knob Fork.

E. CONTRIBUTING WELLS:

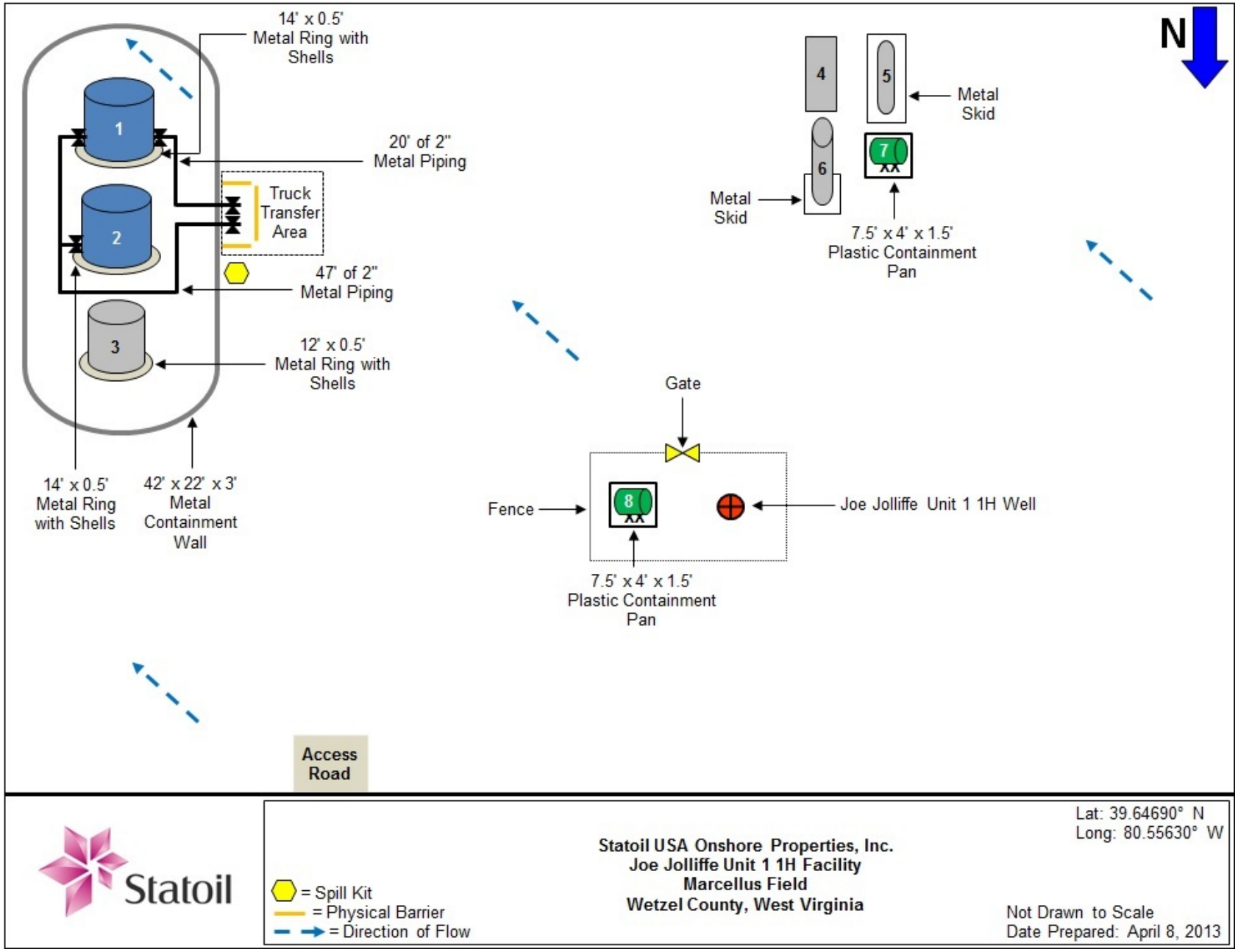
WELL NAME	API#	TOWNSHIP
Joe Jolliffe Unit 1 1H	47-103-02579	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	29,400	12,600	Southeast	Yes
Chemical Storage Tanks	Rupture, leak, corrosion	660	330	Southeast	Yes
Process Equipment	Rupture, leak, corrosion	657.72	-	Southeast	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	Sand Separator Dump Tank	100	-
4	GPU	5.59	24" x 10'
5	SPU	4.48	24" x 8'
6	Sand Separator	5.59	24" x 10'
7	MC SS-5189 Methanol Storage Tank	330 gallons	-
8	MC SS-5189 Methanol Storage Tank	330 gallons	-

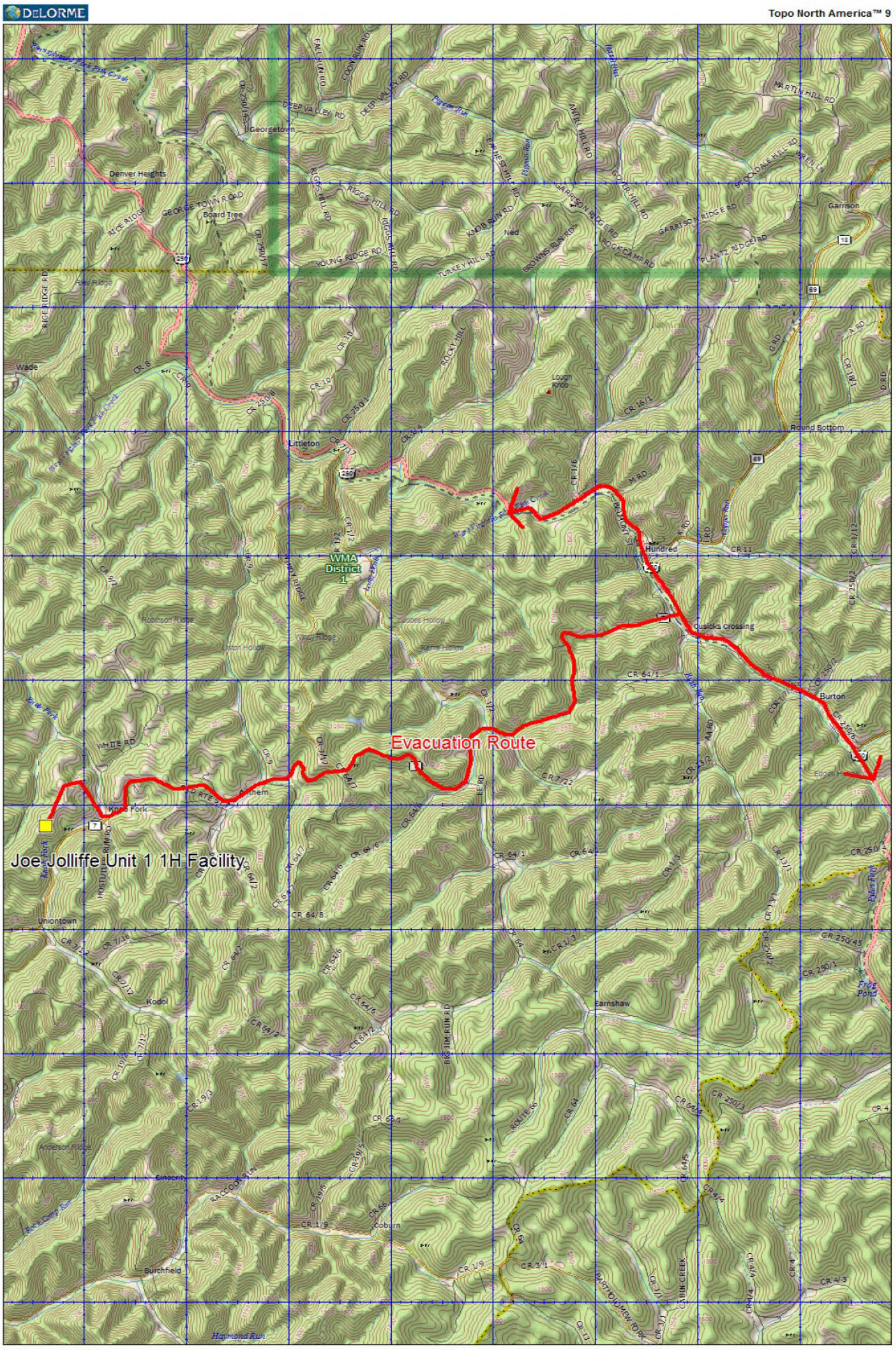


(1) 100 Barrel Sand Separator Dump Tank and (2) 300 Barrel Brine/Oil Storage Tanks

GPU, Sand Separator, SPU, and 330 Gallon MC SS-5189 Methanol Storage Tank

330 Gallon MC SS-5189 Methanol Storage Tank

Joe Jolliffe Unit 1 1H Well



Statoil USA Onshore Properties, Inc.
Joe Jolliffe Unit 1 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.64690° N / 80.55630° W

DELORME

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Joe Jolliffe Unit 1 1H Facility

5 Mile Radius

15 Mile Radius

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MN (8.7° W)

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Data Zoom 10-0

Statoil USA Onshore Properties, Inc.
Joe Jolliffe Unit 1 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.64690° N / 80.55630° W

FACILITY: KATHY LONGWELL UNIT 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude:	39.65659° N	**Longitude:**	80.49513° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 27.5 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Kathy Longwell Unit 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 400 barrel brine/oil storage tanks and (1) 100 barrel sand separator dump tank. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 0 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

1,953.1 feet northwest of an unnamed stream, which flows into Long Drain.

E. CONTRIBUTING WELLS:

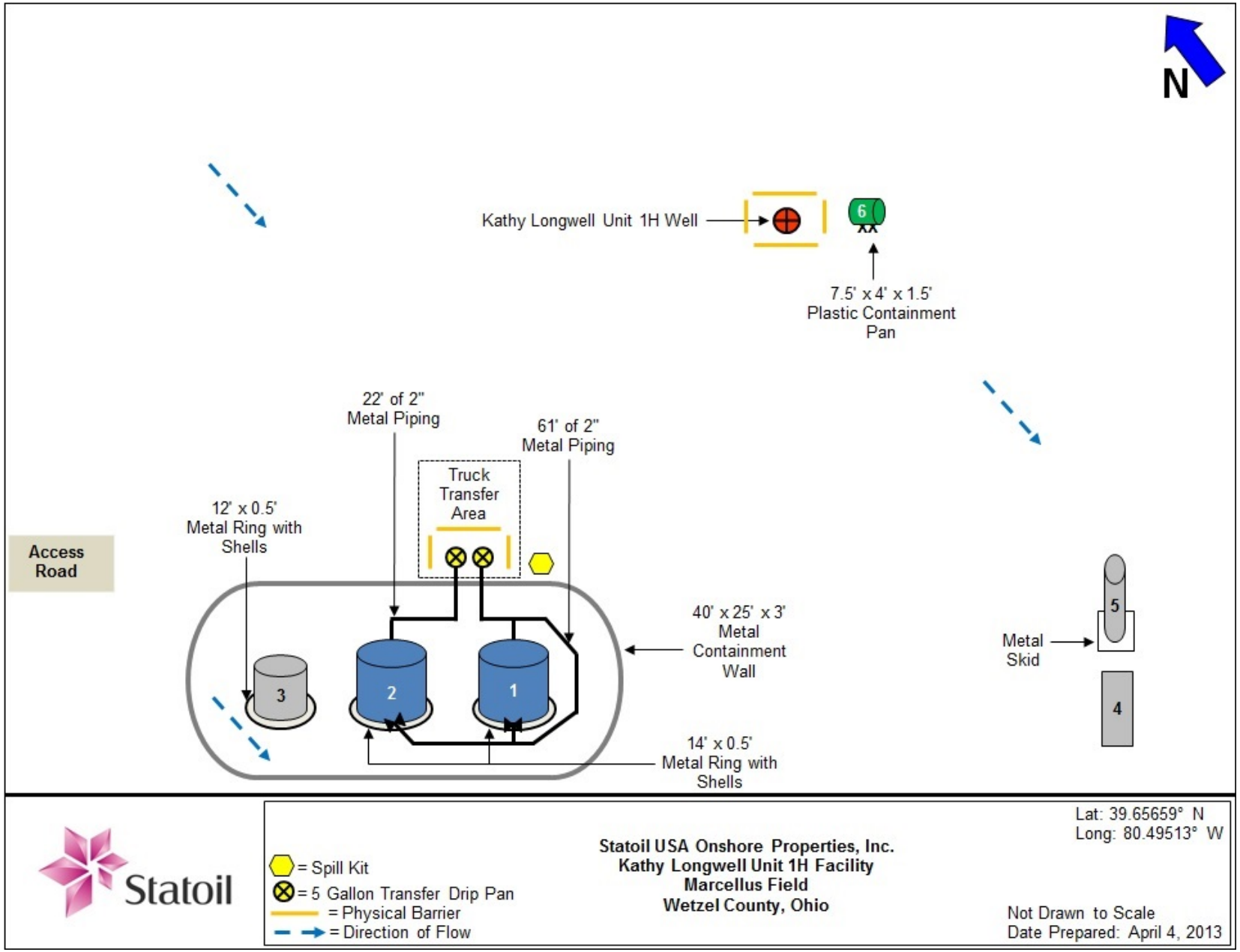
WELL NAME	API#	TOWNSHIP
Kathy Longwell Unit 1H	47-103-02767	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	29,400	12,600	South	Yes
Chemical Storage Tank	Rupture, leak, corrosion	330	330	South	Yes
Process Equipment	Rupture, leak, corrosion	469.56	-	South	No

G. EQUIPMENT LIST:

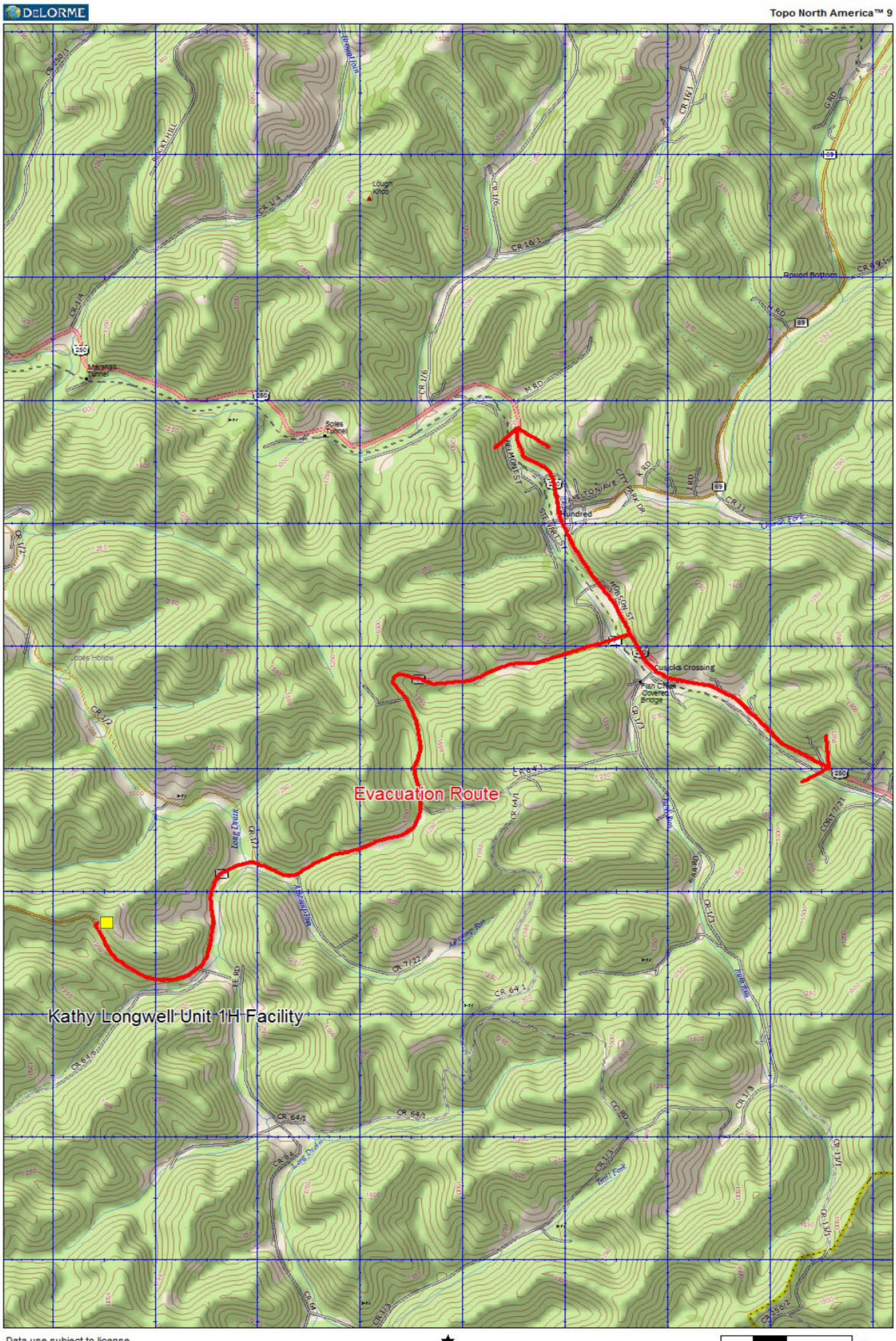
Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	Sand Separator Dump Tank	100	-
4	GPU	5.59	24" x 10'
5	Sand Separator	5.59	24" x 10'
6	MC SS-5189 Methanol Storage Tank	330 gallons	-



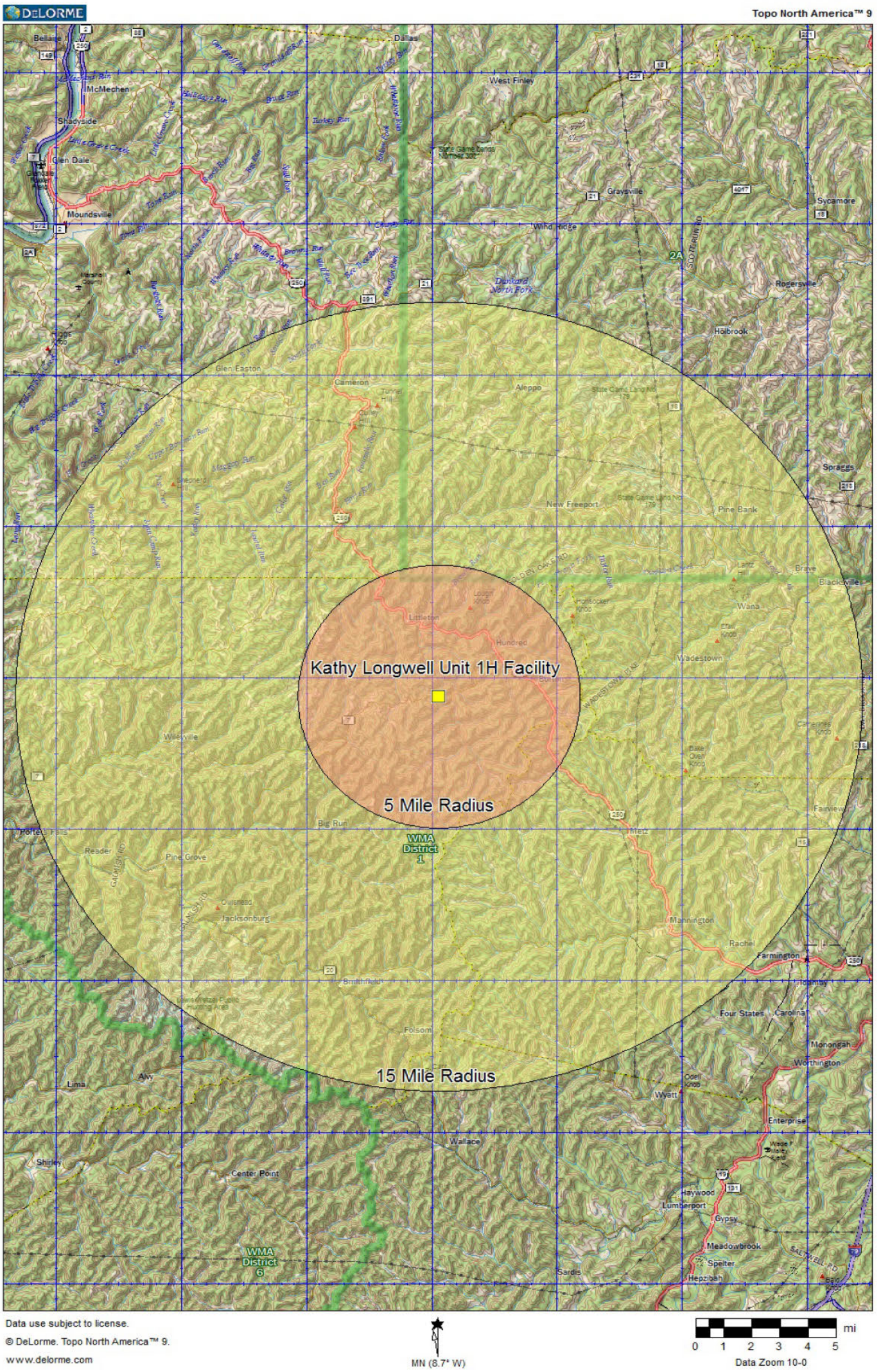
(2) 300 Barrel Brine/Oil Storage Tanks and (1) 100 Barrel Sand Separator Dump Tank

Sand Separator and GPU

Kathy Longwell Unit 1H Well and 330 Gallon MC SS-5189 Methanol Storage Tank



Statoil USA Onshore Properties, Inc.
Kathy Longwell Unit 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.65659° N / 80.49513° W



Statoil USA Onshore Properties, Inc.
Kathy Longwell Unit 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.65659° N / 80.49513° W

FACILITY: KNOB FORK COMPRESSOR STATION

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	713-502-7808
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Support Activities for Oil and Gas Operations
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude:	39.65230° N	**Longitude:**	80.53561° W
8. Field:	Marcellus		
9. NAICS Number:	213112	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 24.9 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Knob Creek Compressor Station is a gas compressor station. This facility contains (1) 300 barrel produced water storage tank and (1) 300 barrel condensate storage tank. Produced water and condensate are transported from this compressor station via truck. Natural gas is transferred to this compressor station via pipeline from the following facilities: Charles Musgrave 1H, Green Dot Unit II 1H, James Sizemore 1H, Lloyd Prine 1H, North Henderson Unit 1H, Shreve-Watson Unit 1H, Shreve-Watson Unit 1V, Michael Kuhn Unit 1H, and Kathy Longwell Unit 1H.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

2,173 feet northwest of Knob Fork.

E. CONTRIBUTING WELLS:

WELL NAME	API#	TOWNSHIP
-	-	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	26,240	12,600	Southwest	Yes
Chemical Storage Tanks	Rupture, leak, corrosion	2,000	520	Southwest	Yes
Process Equipment	Rupture, leak, corrosion	6,915.72	-	Southwest	No

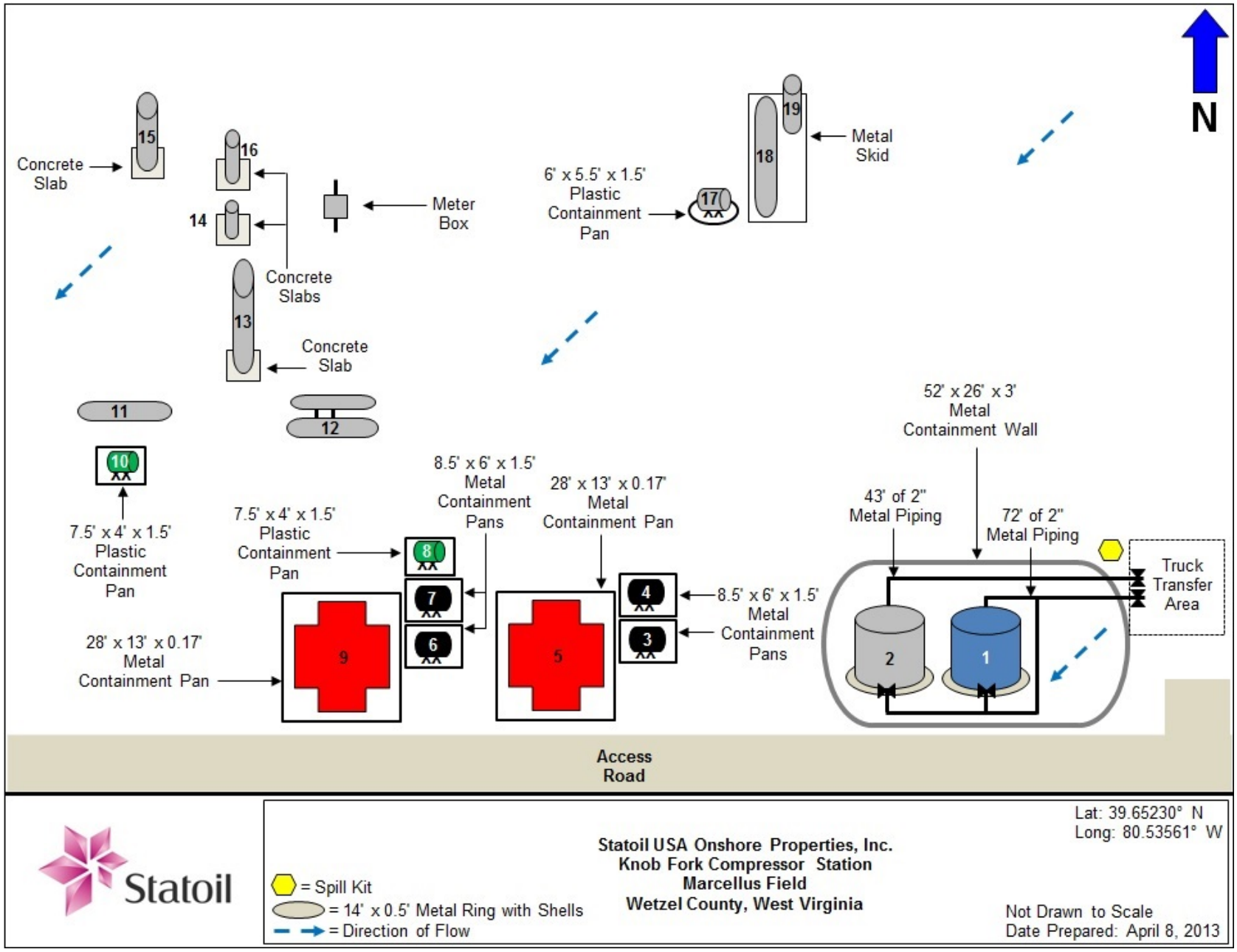
G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Produced Water Storage Tank	300	-
2	Condensate Storage Tank	300	-
3	Coolant / Antifreeze Storage Tank	520 gallons	-
4	Chevron HPLX Low Ash SAE 40 Storage Tank	520 gallons	-
5	Compressor	-	-
6	Coolant / Antifreeze Storage Tank	520 gallons	-
7	Chevron HPLX Low Ash SAE 40 Storage Tank	520 gallons	-
8	MC SS-5189 Methanol Storage Tank	330 gallons	-
9	Compressor	-	-
10	MC SS-5189 Methanol Storage Tank	330 gallons	-
11	Suction Filter	15.10	36" x 12'
12	Discharge Filter	2.83/ 1.26	18" x 9'/ 12" x 9'
13	Contactor	61.72	48" x 27.5'
14	Fuel Gas Separator	0.52	12" x 3.75'
15	Slug Catcher	25.18	36" x 20'
16	Fuel Gas Separator	0.87	12" x 6.25'

FACILITY: KNOB FORK COMPRESSOR STATION

G. EQUIPMENT LIST (CONTINUED):

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
17	Desitherm Triethylene Storage Tank	300 gallons	-
18	BTX Unit	44.76	48" x 20'
19	Dehydration Unit	12.59	36" x 10'



(1) 300 Barrel Produced Water Storage Tank and
(1) 300 Barrel Condensate Storage Tank

BTX Unit and Dehydration Unit

Slug Catcher

Contactor

330 Gallon MC SS-5189 Methanol Storage Tank, 520 Gallon Chevron HPLX Low Ash SAE 40 Storage Tank, 520 Gallon Coolant/Antifreeze Storage Tank, and Compressors

300 Gallon Desitherm Triethylene Storage Tank

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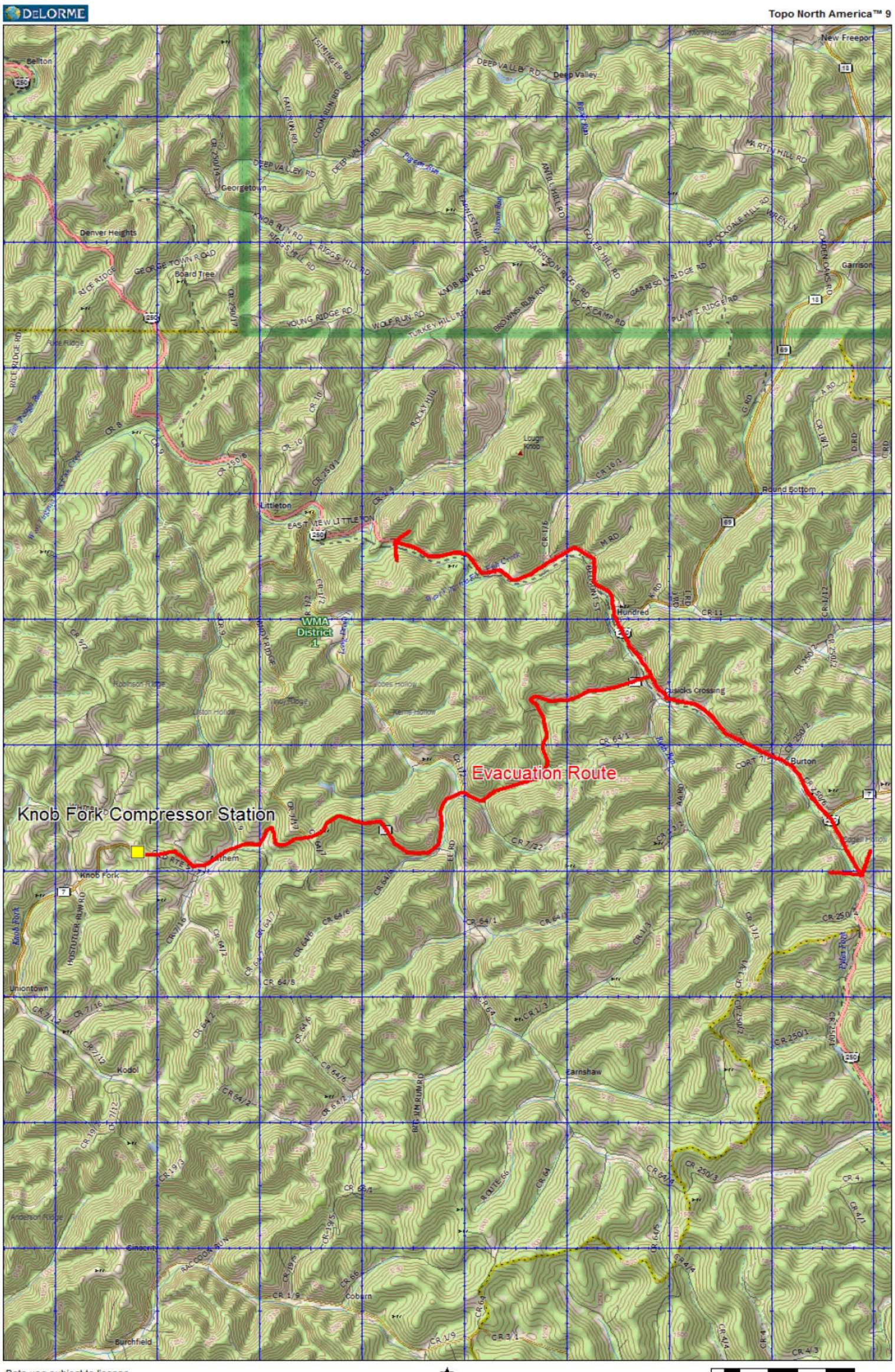
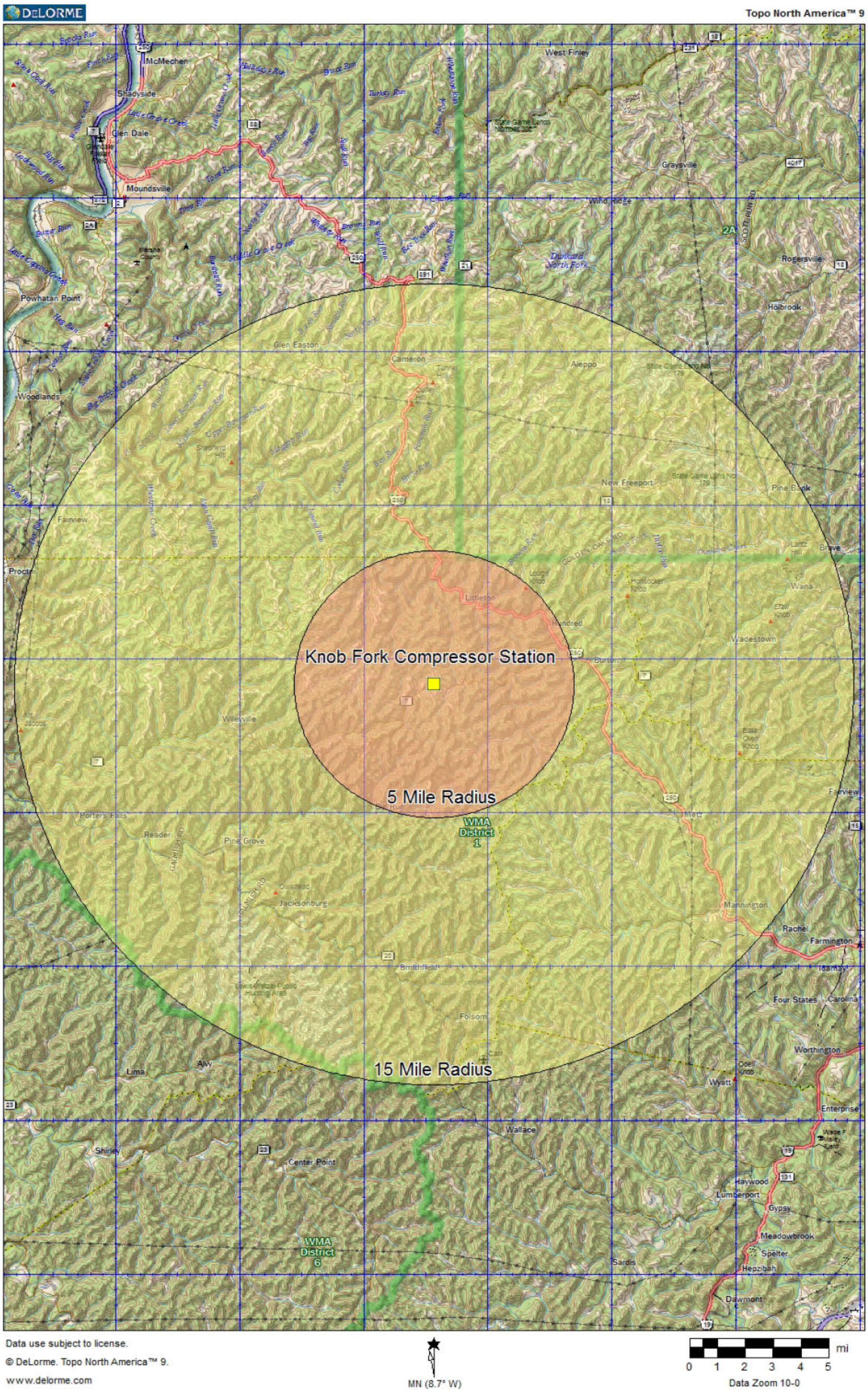


Statoil USA Onshore Properties, Inc.
Knob Fork Compressor Station
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.65230° N / 80.53561° W



Statoil USA Onshore Properties, Inc.
Knob Fork Compressor Station
Wetzel County, West Virginia
Topographical Impact Radius Map
39.65230° N / 80.53561° W

FACILITY: LLOYD PRINE 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude:	39.66980° N	**Longitude:**	80.57385° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 21.8 miles. Take a slight left onto County Road 8/Low Gap Rocky Run and travel approximately 0.6 miles. Take a sharp left onto County Road 8/1 and travel approximately 148 feet. Continue onto County Road 8/Low Gap Rocky Run and travel approximately 4.5 miles. Turn right onto Kirk Ridge and travel approximately 1.3 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Lloyd Prine 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 300 barrel brine/oil storage tanks and (1) 100 barrel sand separator dump tank. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 653 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

2,173 feet northwest of an unnamed stream, which flows into Knob Fork.

E. CONTRIBUTING WELLS:

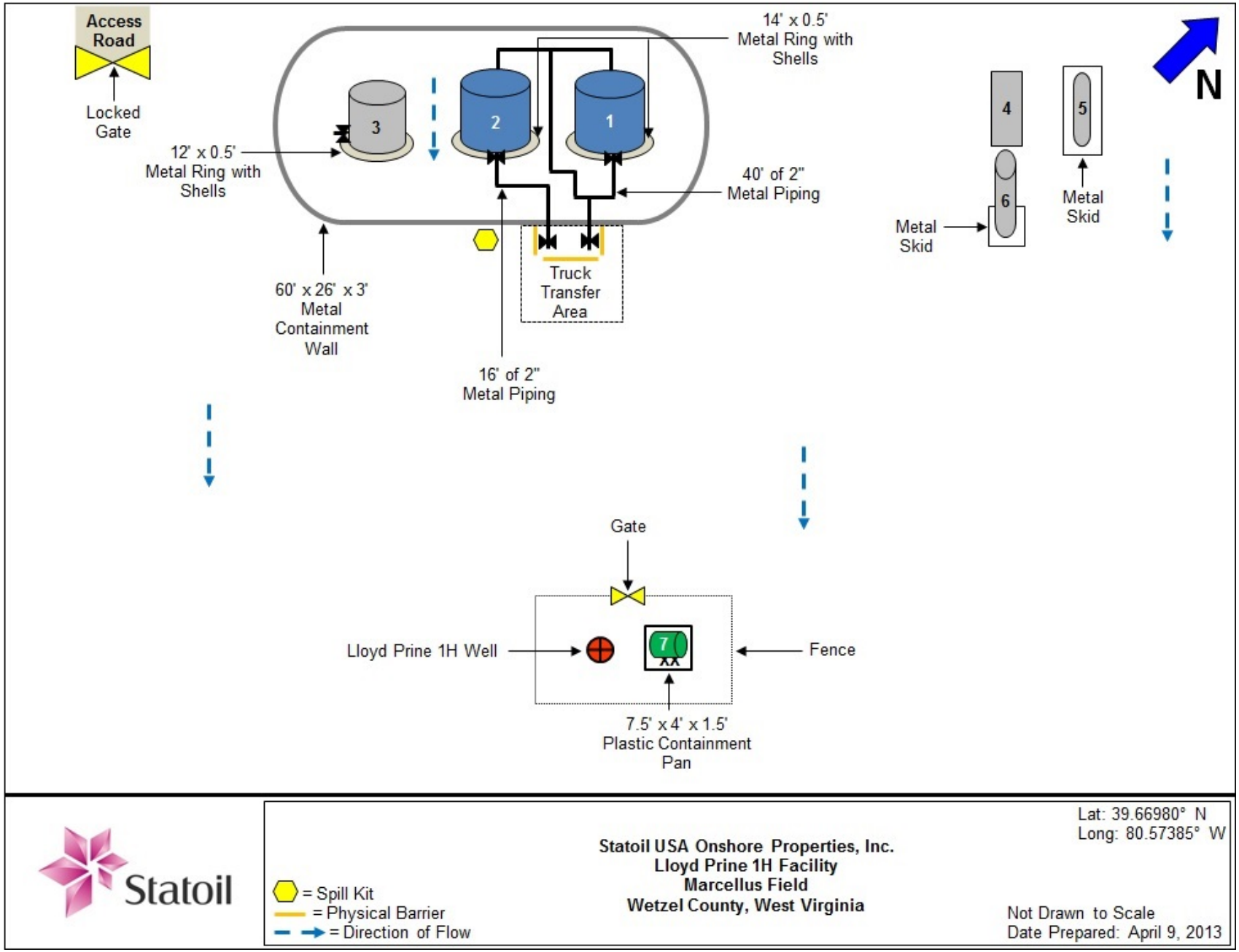
WELL NAME	API#	TOWNSHIP
Lloyd Prine 1H	47-103-02572	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	29,400	12,600	Southeast	Yes
Chemical Storage Tank	Rupture, leak, corrosion	330	330	Southeast	Yes
Process Equipment	Rupture, leak, corrosion	657.72	-	Southeast	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	Sand Separator Dump Tank	100	-
4	GPU	5.59	24" x 10'
5	SPU	4.48	24" x 8'
6	Sand Separator	5.59	24" x 10'
7	MC SS-5189 Methanol Storage Tank	330 gallons	-

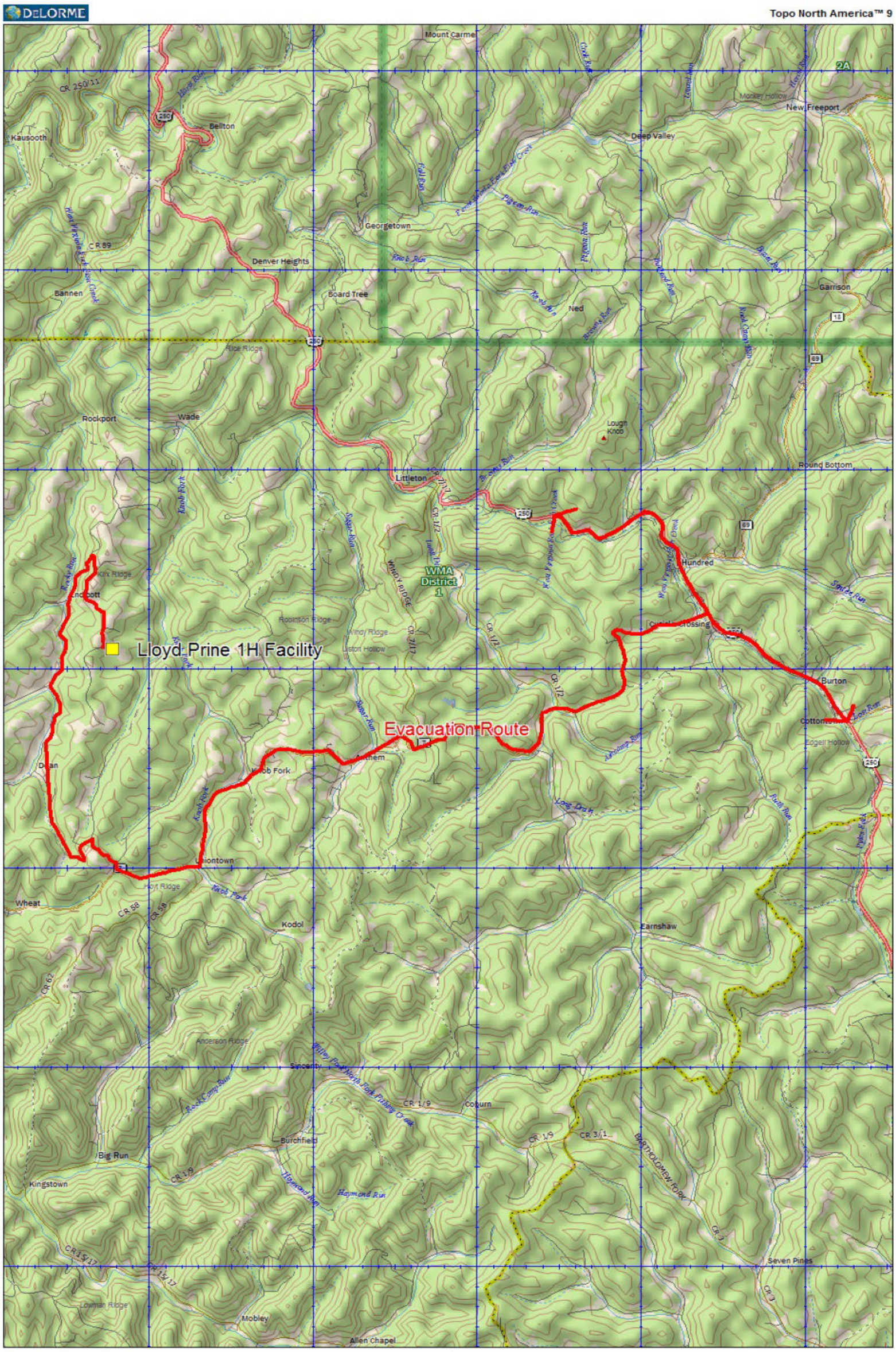


(1) 100 Barrel Sand Separator Dump Tank and (2) 300 Barrel Brine/Oil Storage Tank

SPU, GPU, and Sand Separator

330 Gallon MC SS-5189 Methanol Storage Tank

Lloyd Prine 1H Well



Statoil USA Onshore Properties, Inc.
Lloyd Prine 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.66980° N / 80.57385° W

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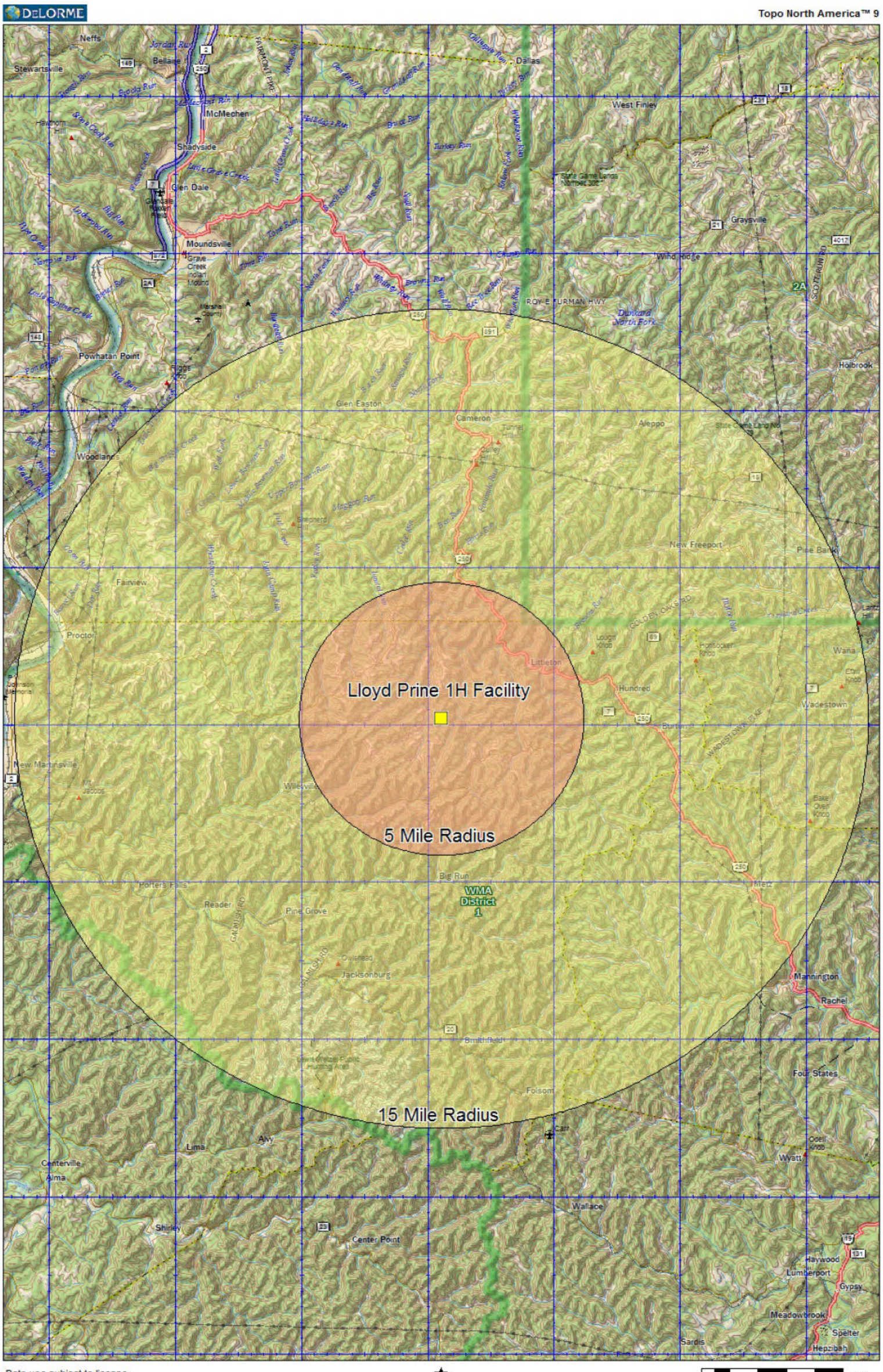


Statoil USA Onshore Properties, Inc.
Lloyd Prine 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.66980° N / 80.57385° W

FACILITY: MICHAEL KUHN UNIT 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude:	39.61517° N	**Longitude:**	80.53132° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 22.7 miles. Take a slight right onto Brookover Bridge Road/County Road 7/12 and travel approximately 1.2 miles. Continue on County Road 7/13 and travel approximately 0.2 miles. Take a slight left onto Brookover/County Road 19/3 and travel approximately 0.4 miles. Turn right onto Brookover/County Road 19/3 and travel approximately 0.6 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Michael Kuhn Unit 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 400 barrel brine/oil storage tanks and (1) 100 barrel sand separator dump tank. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 0 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

1,037.4 feet east of Knob Fork.

E. CONTRIBUTING WELLS:

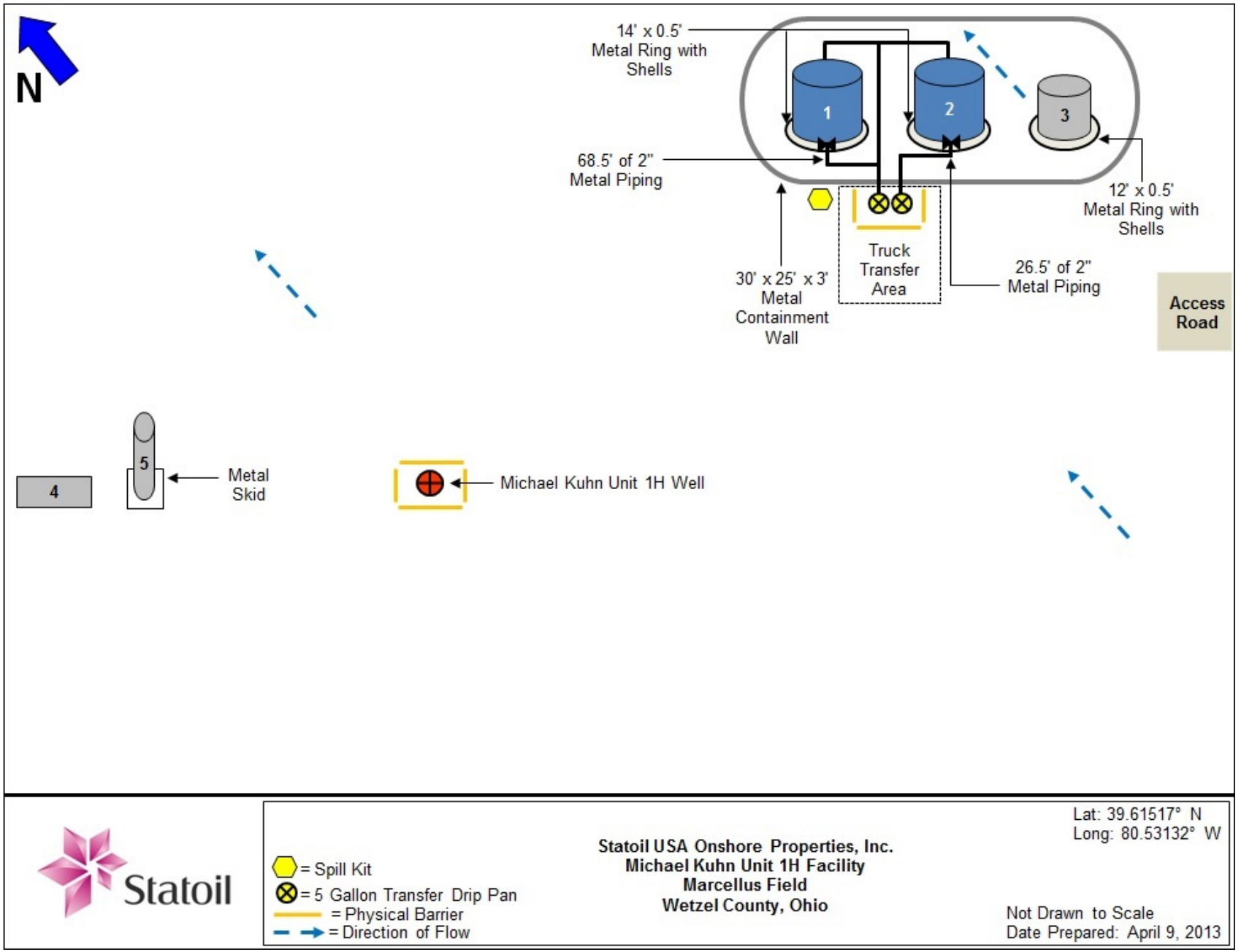
WELL NAME	API#	TOWNSHIP
Michael Kuhn Unit 1H	47-103-02775	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	29,400	12,600	North	Yes
Process Equipment	Rupture, leak, corrosion	469.56	-	North	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	Sand Separator Dump Tank	100	-
4	GPU	5.59	24" x 10'
5	Sand Separator	5.59	24" x 10'

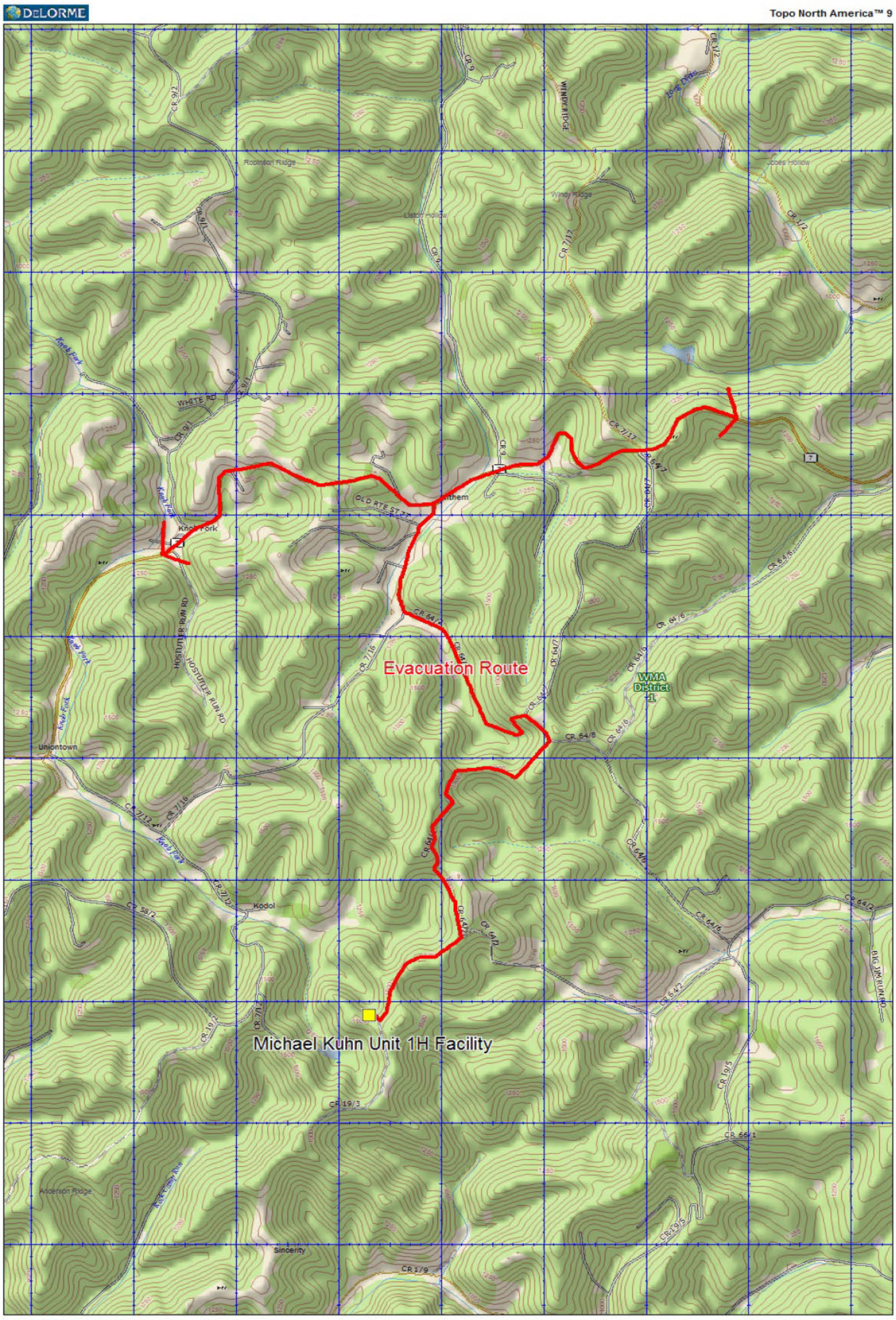


(2) 300 Barrel Brine/Oil Storage Tanks and (1) 100 Barrel Sand Separator Dump Tank

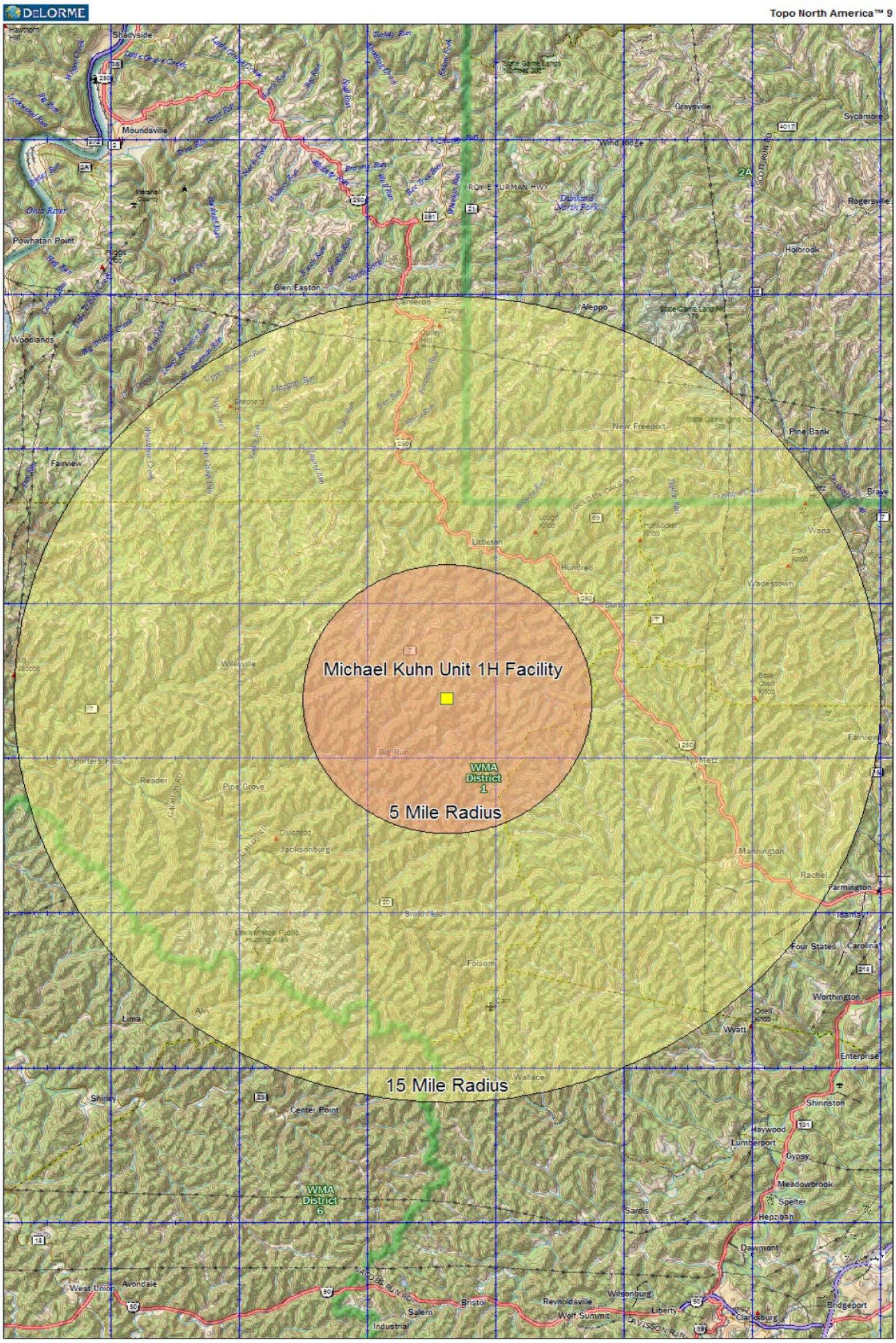
GPU

Sand Separator

Michael Kuhn Unit 1H Well



Statoil USA Onshore Properties, Inc.
Michael Kuhn Unit 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.61517° N / 80.53132° W



Statoil USA Onshore Properties, Inc.
Michael Kuhn Unit 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.61517° N / 80.53132° W

FACILITY: NORTH HENDERSON UNIT 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude:	39.69341° N	**Longitude:**	80.57806° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 21.8 miles. Take a slight left onto County Road 8/Low Gap Rocky Run and travel approximately 0.6 miles. Take a sharp left onto County Road 8/1 and travel approximately 148 feet. Continue onto County Road 8/Low Gap Rocky Run and travel approximately 5.0 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The North Henderson Unit 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 300 barrel brine/oil storage tanks and (1) 100 barrel sand separator dump tank. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 965 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

798 feet east of Knob Fork.

E. CONTRIBUTING WELLS:

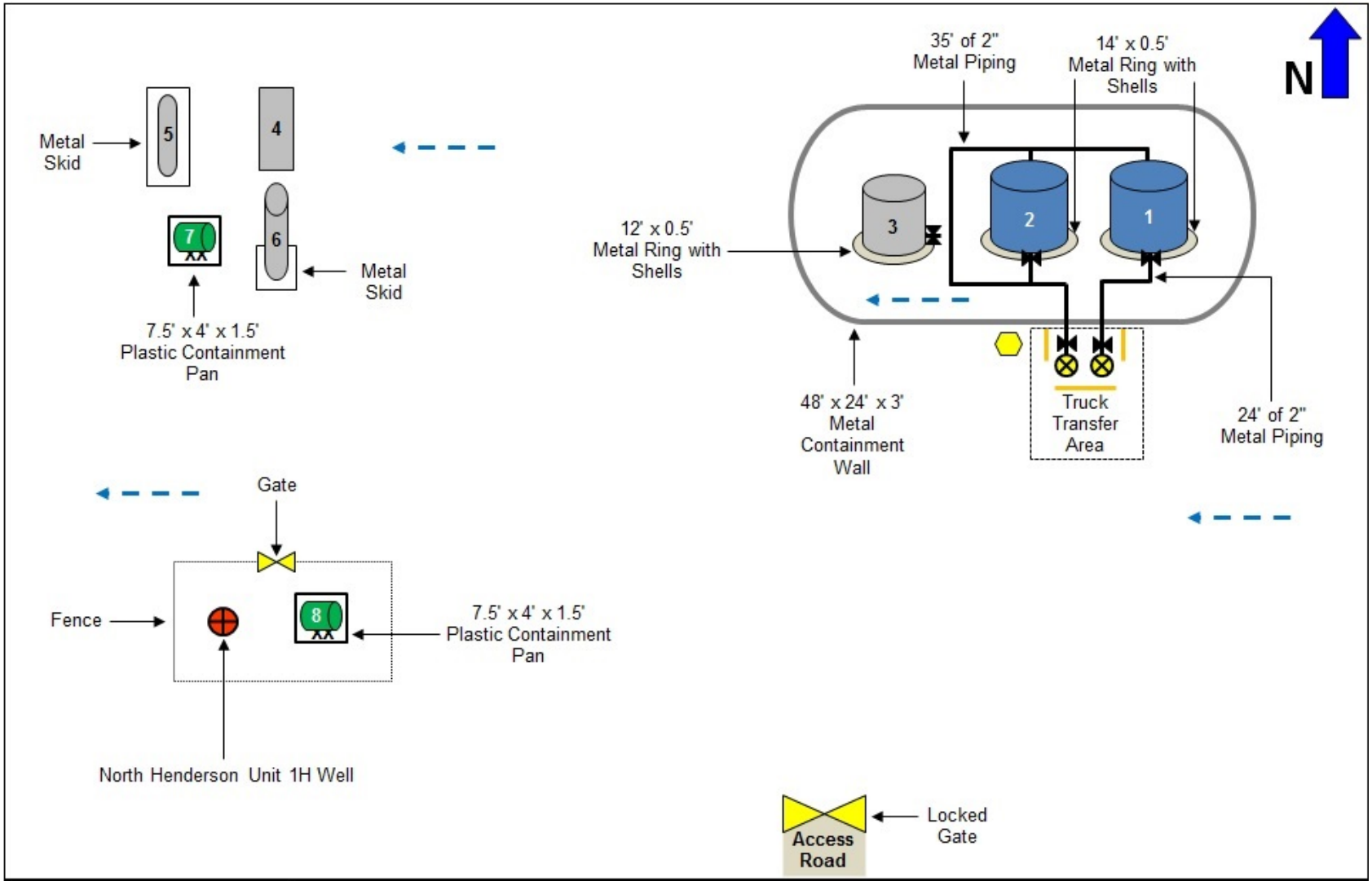
WELL NAME	API#	TOWNSHIP
North Henderson Unit 1H	47-103-02683	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	29,400	12,600	West	Yes
Chemical Storage Tank	Rupture, leak, corrosion	660	330	West	Yes
Process Equipment	Rupture, leak, corrosion	657.72	-	West	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	Sand Separator Dump Tank	100	-
4	Sand Separator	5.59	24" x 10'
5	GPU	5.59	24" x 10'
6	SPU	4.48	24" x 8'
7	MC SS-5189 Methanol Storage Tank	330 gallons	-
8	MC MX 5-2027 Anti-Agglomerate Hydrate Inhibitor Storage Tank	330 gallons	-



Statoil

= Spill Kit
= 5 Gallon Transfer Drip Pan
= Physical Barrier
= Direction of Flow

Statoil USA Onshore Properties, Inc.
North Henderson Unit 1H Facility
Marcellus Field
Wetzel County, West Virginia

Lat: 39.69341° N
Long: 80.57806° W

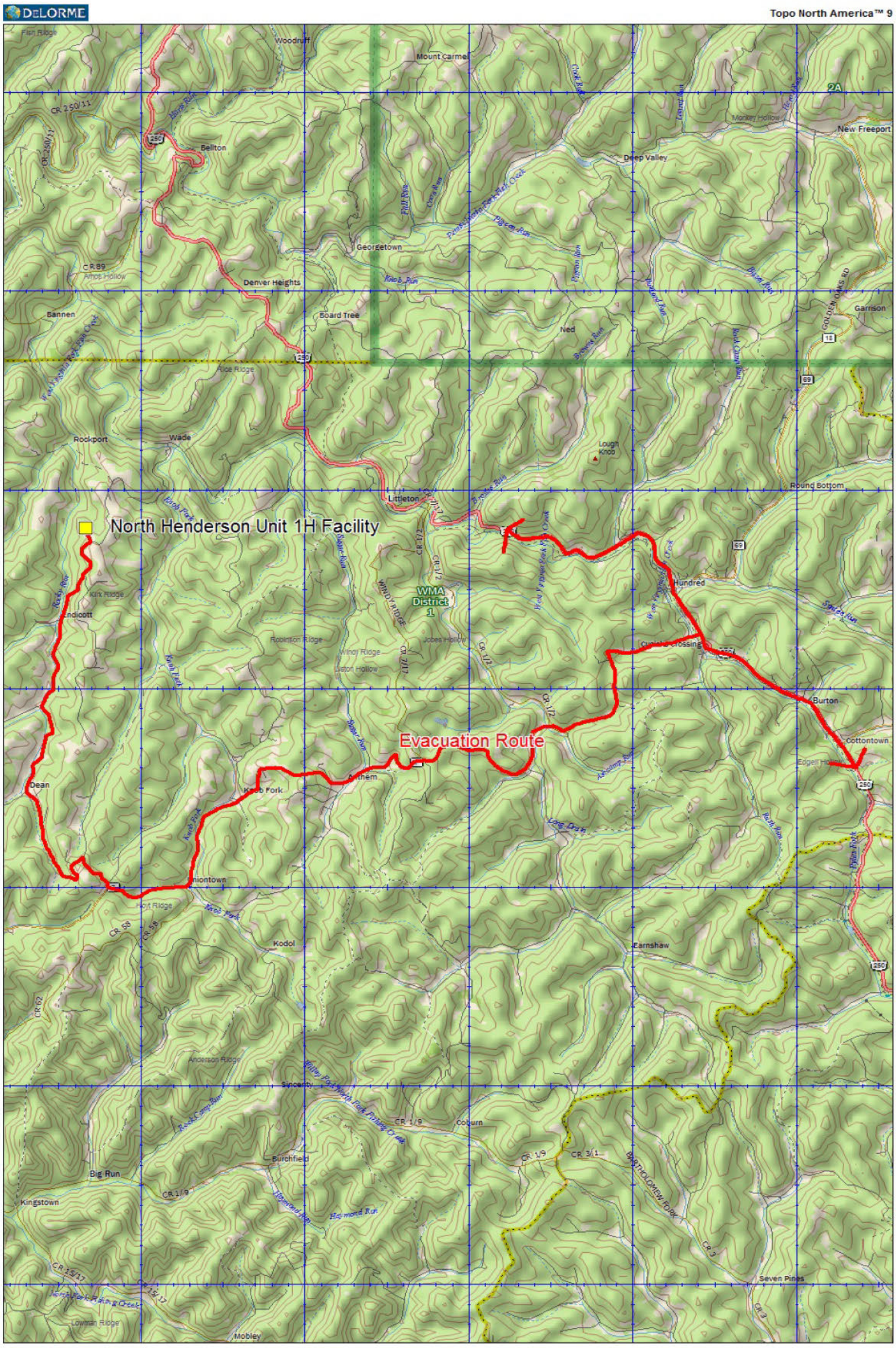
Not Drawn to Scale
Date Prepared: April 9, 2013

(1) 100 Barrel Sand Separator Dump Tank and (2) 300 Barrel Brine/Oil Storage Tanks

SPU, GPU, 330 Gallon MC SS-5189 Methanol Storage Tank, and Sand Separator

330 Gallon MC MX 5-2027 Anti-Agglomerate Hydrate Inhibitor Storage Tank

North Henderson Unit 1H Well



Statoil USA Onshore Properties, Inc.
North Henderson Unit 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.69341° N / 80.57806° W

DeLORME

Topo North America™ 9

North Henderson Unit 1H Facility

5 Mile Radius

15 Mile Radius

WMA District 1

Data use subject to license.

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www.delorme.com

MN (8.7° W)

0 1 2 3 4 5 mi

Data Zoom 10-0

Statoil USA Onshore Properties, Inc.
North Henderson Unit 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.69341° N / 80.57806° W

FACILITY: SHREVE-WATSON UNIT 1H FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude: 39.66947° N	**Longitude:** 80.54566° W	**8. Field:**	Marcellus
9. NAICS Number: 211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.	
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 24.1 miles. Take a slight left onto County Road 7/14 and travel approximately 0.4 miles. Take a slight right onto County Road 9/1 and travel approximately 0.3 miles. Take a slight left onto County Road 9/1 and travel approximately 0.7 miles. Turn left onto County Road 9/1 and travel approximately 0.4 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Shreve-Watson Unit 1H Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 300 barrel brine/oil storage tanks. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 334 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

1,668 feet south of an unnamed stream, which flows into Knob Fork.

E. CONTRIBUTING WELLS:

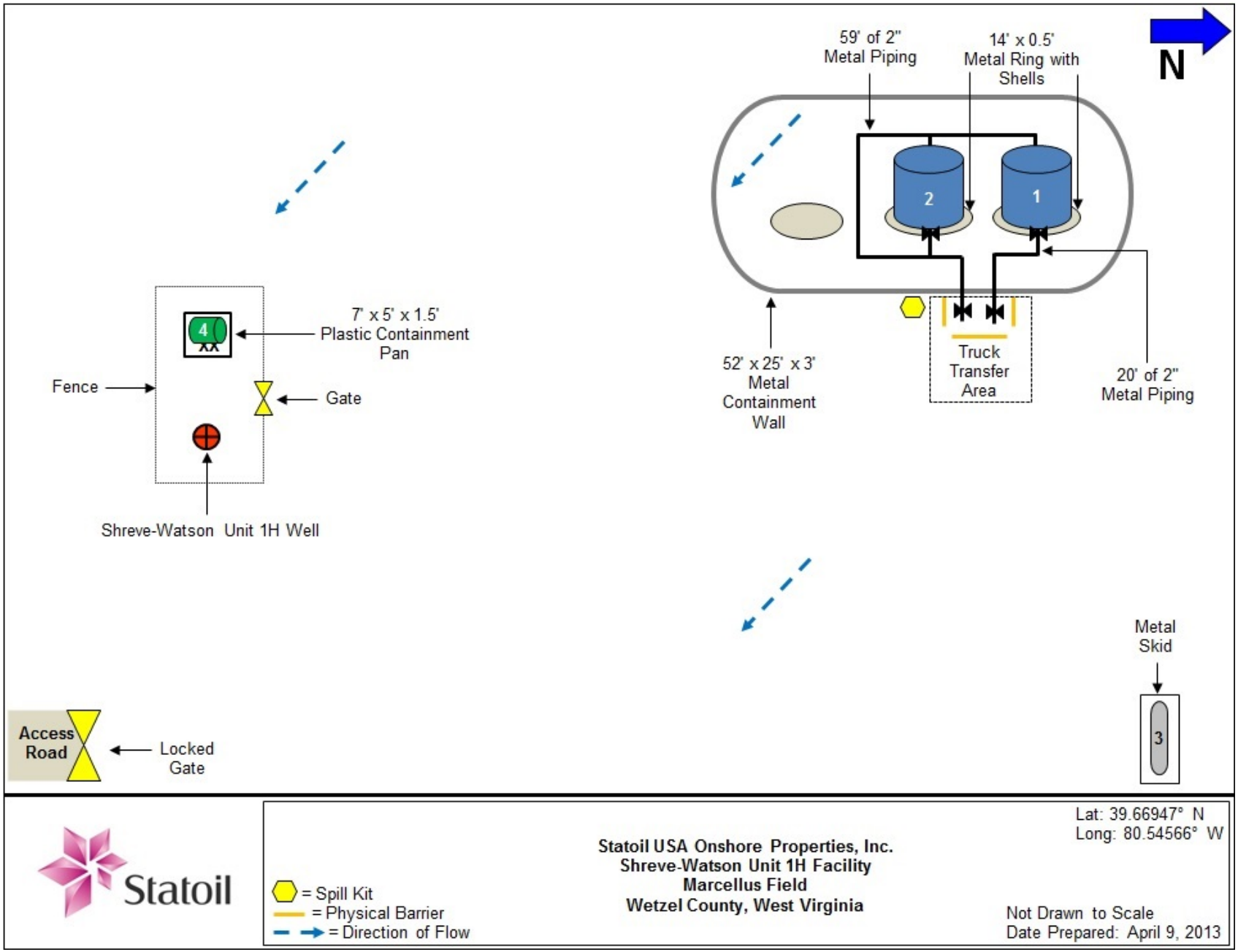
WELL NAME	API#	TOWNSHIP
Shreve-Watson Unit 1H	47-103-02557	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	25,200	12,600	Southeast	Yes
Chemical Storage Tank	Rupture, leak, corrosion	330	330	Southeast	Yes
Process Equipment	Rupture, leak, corrosion	188.16	-	Southeast	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	GPU	4.48	24" x 8'
4	MC SS-5189 Methanol Storage Tank	330 gallons	-

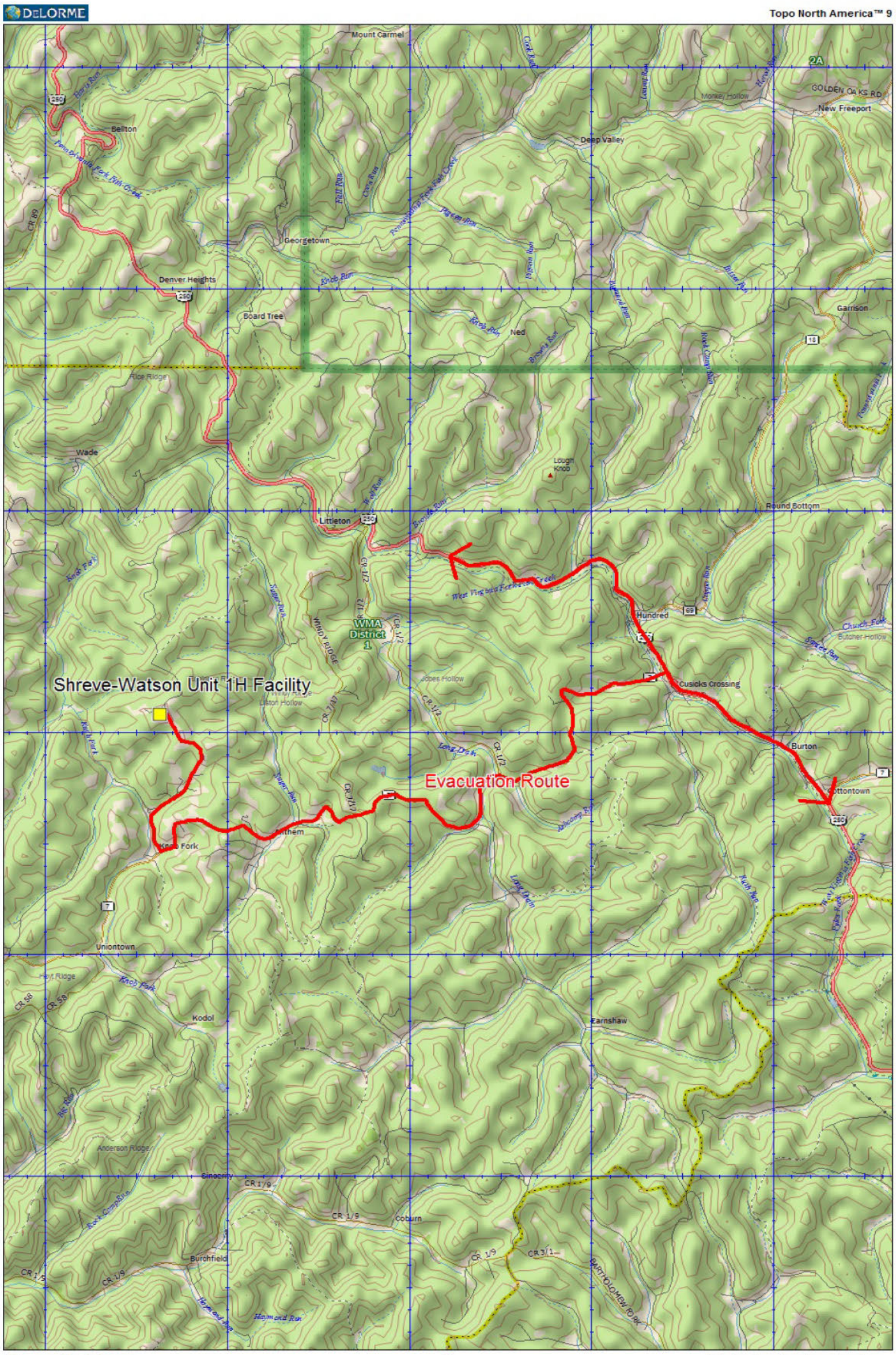


(2) 300 Barrel Brine/Oil Storage Tanks

GPU

330 Gallon MC SS-5189 Methanol Storage Tank

Shreve-Watson Unit 1H Well



Statoil USA Onshore Properties, Inc.
Shreve-Watson Unit 1H Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.66947° N / 80.54566° W

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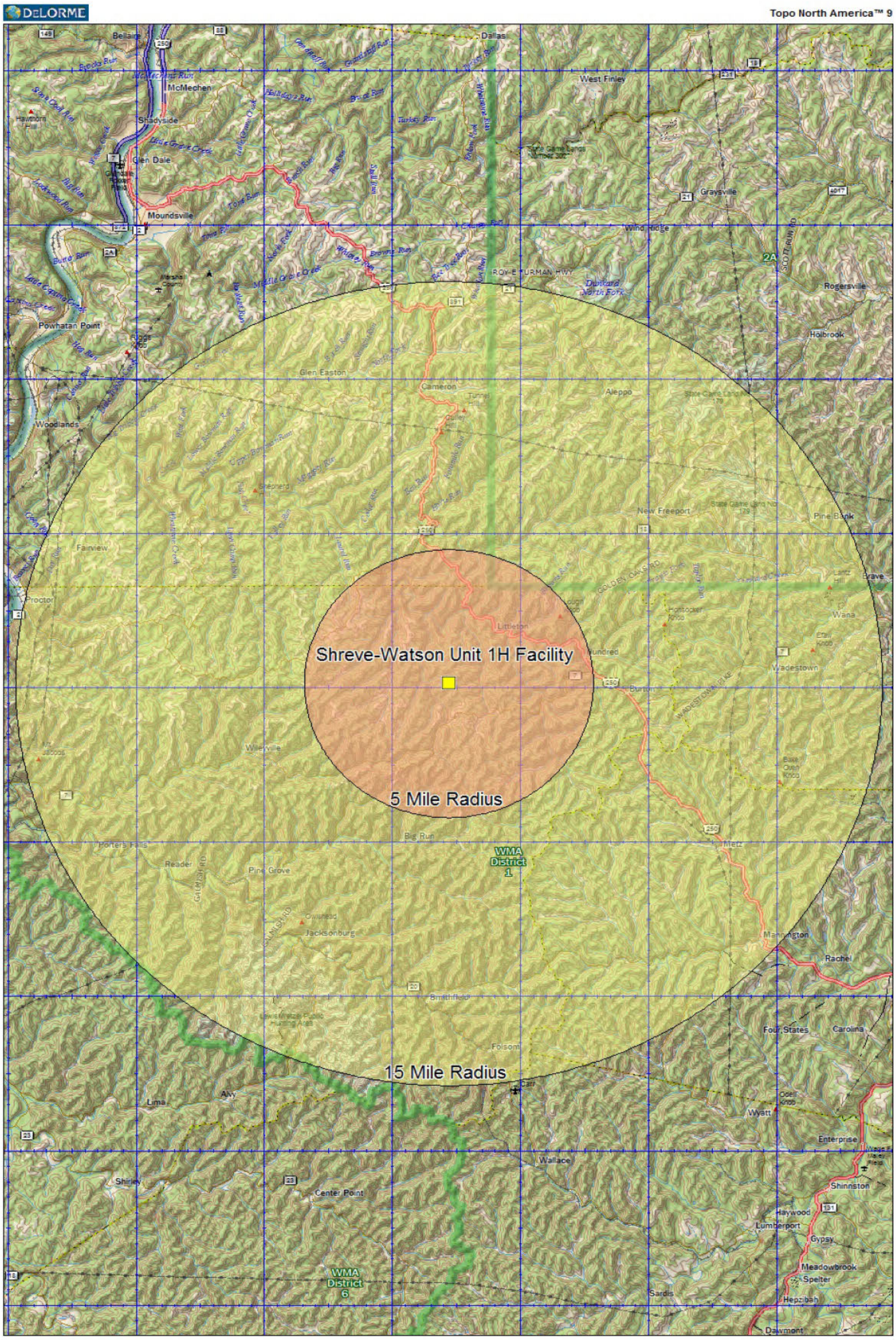

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MN (8.7° W)

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Statoil USA Onshore Properties, Inc.
Shreve-Watson Unit 1H Facility
Wetzel County, West Virginia
Topographical Impact Radius Map
39.66947° N / 80.54566° W

FACILITY: SHREVE-WATSON UNIT 1V FACILITY

A. GENERAL INFORMATION

1. Facility Owner/Operator:	Statoil USA Onshore Properties, Inc. 2103 CityWest Boulevard, Building 4 Houston, Texas 77042	**2. 24-Hour Emergency Phone:**	855-750-8024
3. Designated person accountable for oil spill prevention at facility:	Rick Pyles	**4. Facility Type:**	Crude Petroleum and Natural Gas Extraction Facility
5. Telephone:	304-551-5462	**6. County/State:**	Wetzel County, West Virginia
7. Latitude:	39.67060° N	**Longitude:**	80.55110° W
8. Field:	Marcellus		
9. NAICS Number:	211111	**10. Facility Start-up Date:**	Statoil USA Onshore Properties, Inc. purchased this facility in December 2012.
11. Has the facility experienced a reportable oil spill event during the twelve months prior to January 10, 1974 (effective date of 40 CFR, Part 112) (If yes, complete attachment #1)?	No		

B. DIRECTIONS:

This facility is located in Wetzel County, West Virginia. From the town of New Martinsville, West Virginia, travel south on W Virginia 2 S/W Virginia 7 E/3rd Street for approximately 0.6 miles. Turn left onto W Virginia 7 E and travel approximately 24.1 miles. Take a slight left onto County Road 7/14 and travel approximately 0.4 miles. Take a slight right onto County Road 9/1 and travel approximately 0.3 miles. Take a slight left onto County Road 9/1 and travel approximately 0.7 miles. Turn left onto County Road 9/1 and travel approximately 0.4 miles. Turn left onto a rural road and travel approximately 0.2 miles. The facility will be on the left.

C. FACILITY DESCRIPTION:

The Shreve-Watson Unit 1V Facility is a crude petroleum and natural gas extraction facility. This facility contains (2) 300 barrel brine/oil storage tanks and (1) 100 barrel sand separator dump tank. Presently, there is (1) well flowing into this facility with an average daily production of 0 barrels of brine/oil and 5 mcf of natural gas.

Brine/oil is transported from this facility via truck. Natural gas is transported to the Knob Creek Compressor Station, then sold via pipeline.

D. ROUTE AND DISTANCE TO NEAREST WATERWAY:

1,010 feet south of an unnamed stream, which flows into Knob Fork.

E. CONTRIBUTING WELLS:

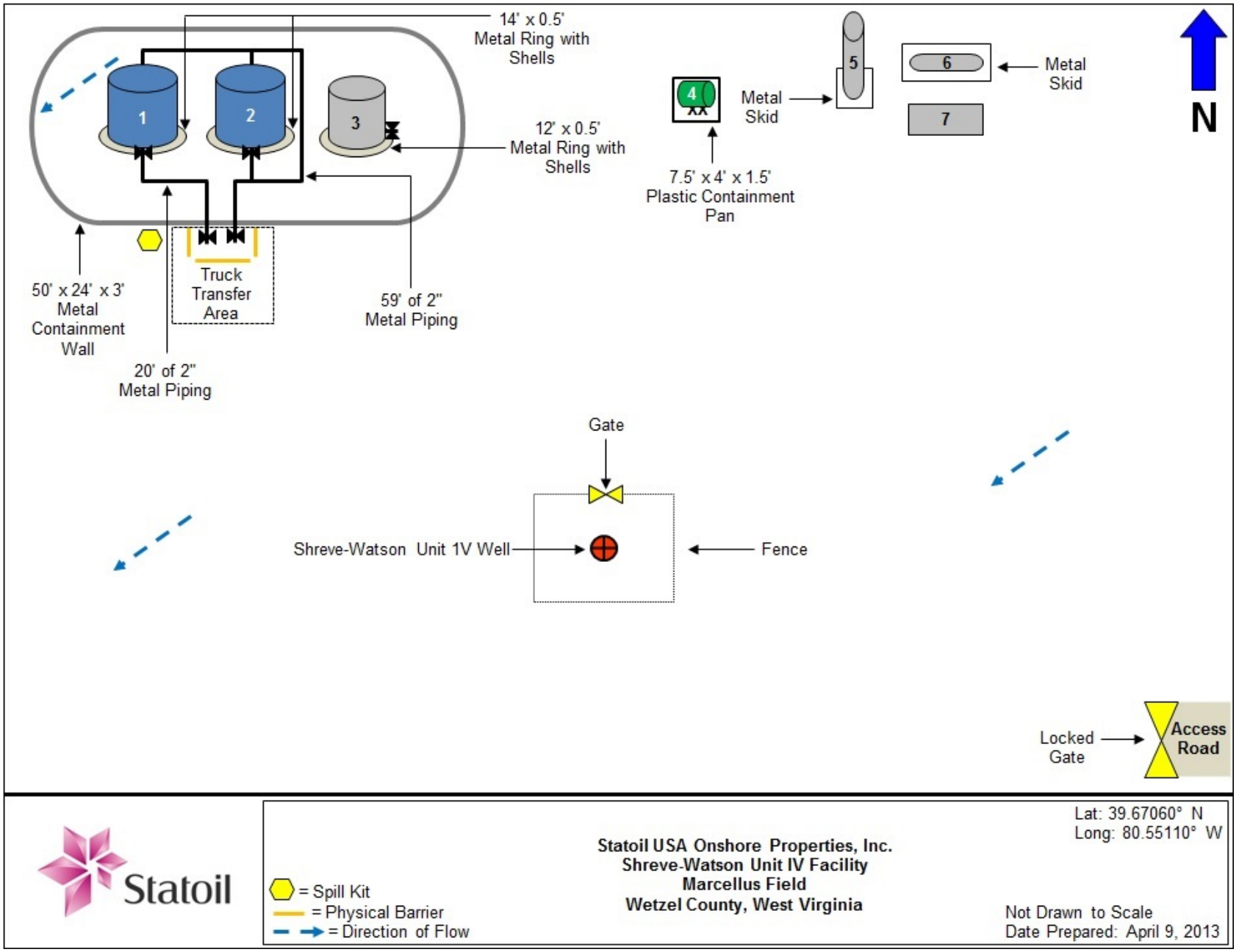
WELL NAME	API#	TOWNSHIP
Shreve-Watson Unit 1V	47-103-02537	-

F. POTENTIAL SPILLS:

Source	Major Type of Failure	Total Quantity (Gallons)	Oil Flow Rate-Gallons/hour	Direction of Flow	Secondary Containment
Flow Line	Rupture, leak, corrosion	-	-	North, South, East, and West	No
Storage Tanks	Rupture, leak, corrosion	29,400	12,600	Southwest	Yes
Chemical Storage Tank	Rupture, leak, corrosion	330	330	Southwest	Yes
Process Equipment	Rupture, leak, corrosion	657.72	-	Southwest	No

G. EQUIPMENT LIST:

Identification #	Equipment Type	Capacity (Bbls)	Dimensions
1	Brine/Oil Storage Tank	300	-
2	Brine/Oil Storage Tank	300	-
3	Sand Separator Dump Tank	100	-
4	MC SS-5189 Methanol Storage Tank	330 gallons	-
5	Sand Separator	5.59	24" x 10'
6	SPU	4.48	24" x 8'
7	GPU	5.59	24" x 10'

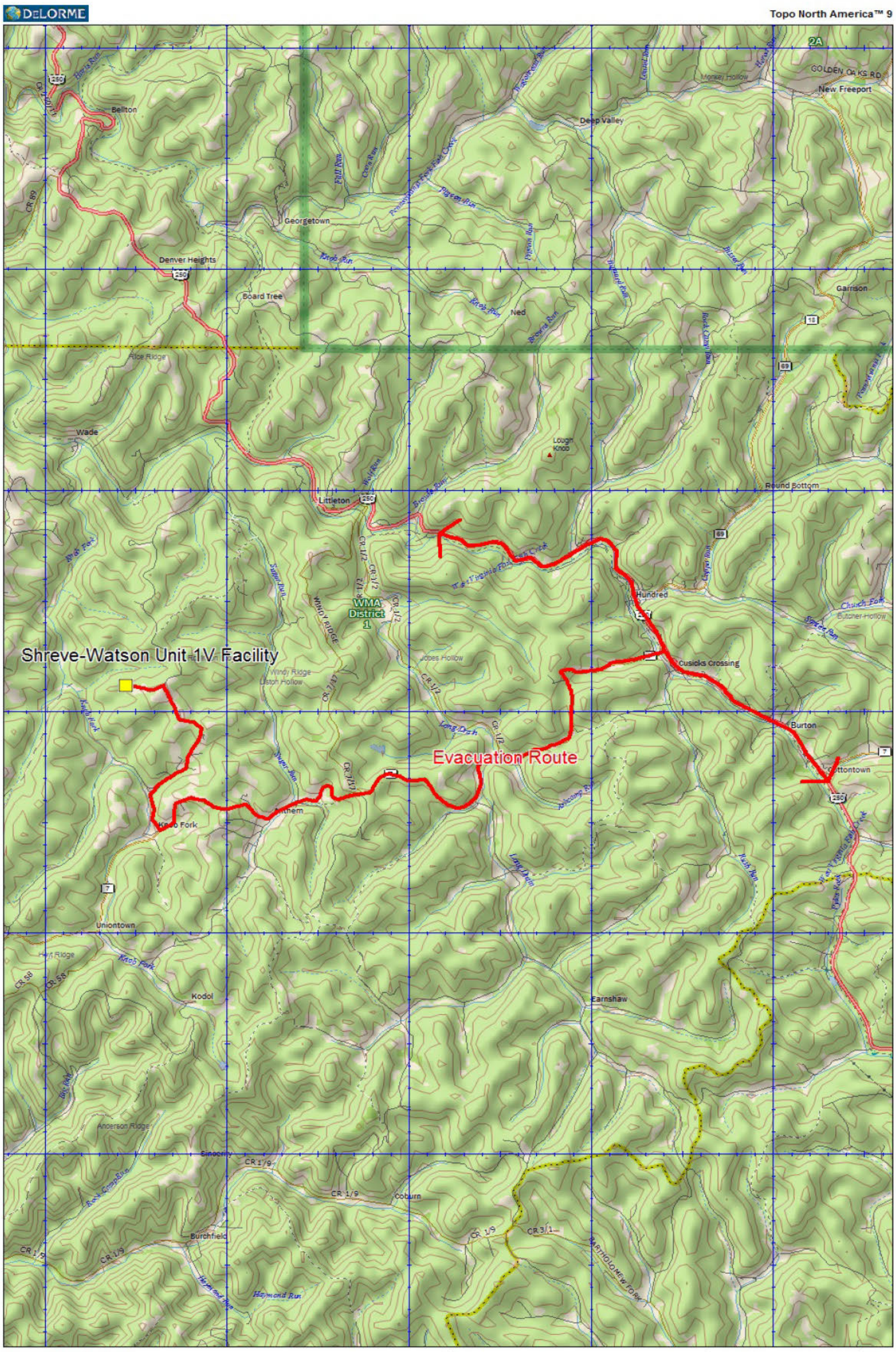


(2) 300 Barrel Brine/Oil Storage Tank and (1) 100 Barrel Sand Separator Dump Tank

Sand Separator, SPU, and GPU

330 Gallon MC SS-5189 Methanol Storage Tank

Shreve-Watson Unit 1V Well



Statoil USA Onshore Properties, Inc.
Shreve-Watson Unit 1V Facility
Wetzel County, West Virginia
Topographical Evacuation Route Map
39.67060° N / 80.55110° W

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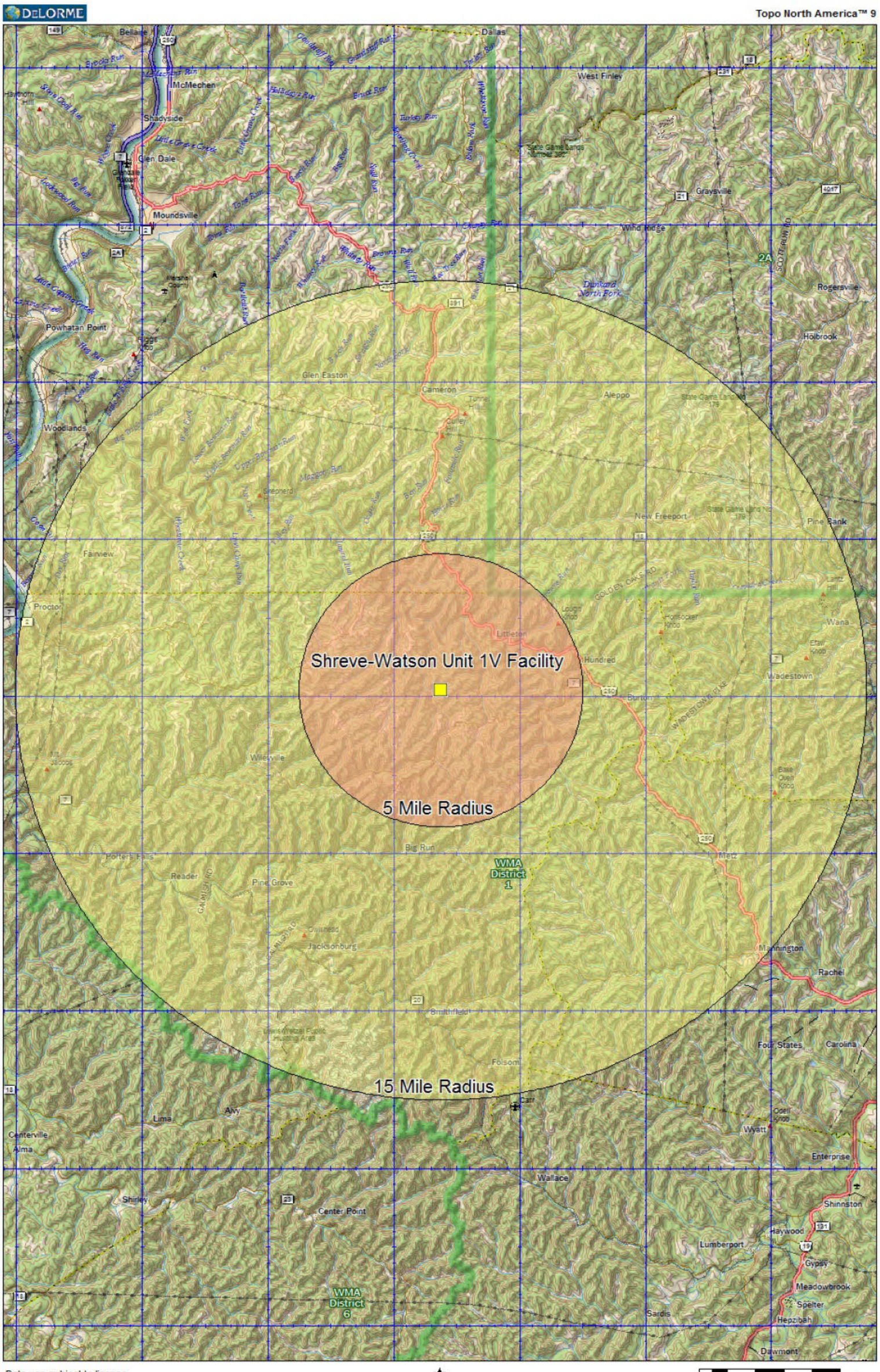

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